

■ 100 Years of Excellence ■ 100 Years of Excellence ■ 100 Years of Excellence ■ 100 Years of Excellence ■ 100 Years of Excellence



NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

بصیرت VISION

Essere un leader

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Быть лиде

成为推动巴

ايشون ۽ جوڊ بيبیت

پاکستان کے اجتماعی، معاشی

Pakistanning ijtimoiy va iqtisodiy

پاکستان کے اجتماعی

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Be a leader in enabling
social and economic tra

Essere un leader nel fav

trasformazione sociale ed economica del Pa

بجاء تحول اجتماعی و اقتصادی پاکستان، رہبر باشید

Soyez un chef de file pour permettre la
transformation sociale et économique du Pakistan

کن قائداً فی تمکین التحول الاجتماعي والاقتصادي في پاکستان

Pakistan'in sosyal ve ekonomik
dönüşümünü etkinleştirme lider olun

پاکستان کو سماجی و اقتصادی تشکیل نو کے قابل بنانے کے لئے رہنما بننا

پاکستان جي سماجي ۽ معاشي

واڌو تبديلي آڻڻ ۾ اڳواڻ

بڻجڻ

Jadilah Pemimpin dalam
membolehkan transformasi sosial

dan ekonomi Pakistan

پاکستان دی سماجی تے اقتصادی تشکیل نو لے رہنما بنو

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د پاکستان د ټولنيز او اقتصادي بدلون په فعالولو کې رهبر اوسئ

Sei führend, wenn es darum geht, Pakistans sozialen und
wirtschaftlichen Wandel zu ermöglichen

ader nel favorire la trasformazione sociale ed economica del Pakistan

ider en permitir la transformación social y económica de Pakistán

ером в обеспечении социальных и экономических преобразований Пакистана

基斯坦社会和经济转型的领导者

پاکستان ۽ چاگردي و اقتصادي نوک سري ۽

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MISSION

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.

QUALITY POLICY

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

Our endeavours are to make our students useful to society in particular and to humanity in general. In dealing with industries and utilities, attempts are made to maintain standards of integrity as well as quality.



FROM THE VICE-CHANCELLOR'S DESK

My dear reader!

As the intensity of COVID-19 dissipates, NED University – like everyone else – drives back into full gear of its operations. I am immensely pleased to present yet another annual report of this historic institution – a year of centennial celebrations for us! We are blessed with the brilliance of our students, and dedication of the faculty and staff who excel in fulfilling their responsibilities and exceeding the expectations at all levels. I am certain that you will find reflection of such efforts and achievements indicative of a high-energy institution discharging its duty of enabling the nation's social and economic transformation – in line with our Vision.

The University is offering a total of 105 programmes, in which 12,209 students are enrolled. It is worth mentioning that 36% of the University population is female which is an encouraging indicator for an Engineering University. We are pleased that a total of 3,209 students graduated, while admissions were awarded to 3,806 students. This year the University awarded PhD degrees to eighteen (18) scholars. 52 international students from six different nationalities are currently enrolled in various undergraduate and postgraduate programmes of the University. These nationalities include Sri Lanka, Yemen, Afghanistan, Somalia, Sudan, and Iraq. As COVID-19 is easing off, mobility programmes are back, with six students from NED University went to USA on outbound student exchange programme this year; and over 100 national and international students visited NED University as part of various inbound exchange visits. Providing financial accessibility to all students is an important hallmark of NED University. I am pleased to share that this year, we were able to fetch a record 2,708 scholarships and fellowships, worth over Rs. 207 million. I must thank our alumni and industrial partners who generously supported in this endeavour. A total of 1,736 Internships were availed with 37 study tours and 350+ employment related activities happening on campus. Community Service being mandatory part of our curriculum, saw significant contributions by our students this year as well. In addition to already continuing Chinese language programme for our students, this year, the University has launched classes for Turkish language as well in collaboration with Turkey's Maarif Foundation. I must mention that the recent terrible incident which claimed lives of Chinese faculty along with the Pakistani driver was a huge loss and setback for all of us. NED University expresses deepest condolences to the bereaved families and friends of the departed souls. Our students under office of the student affairs remained active in extra-curricular activities and sports as well. They represented NED University in various events and competitions and won several awards and prizes.

The faculty members remain at the core of the most of University's functions. This year, fifteen (15) faculty members joined us after completing their PhD studies taking the total count of PhD faculty to 231. The total number of faculty members has now reached 538. It is a matter for our pride that the faculty members in addition to instruction, are also heavily engaged in research and outreach activities. This year nine international conferences were held at NED University. I am pleased to share that there are now 223 on-going research projects at the University worth more than Rs. 1.7 billion, with 18% funding each from industries and consultancy projects, and international research. There are now 127 full time research staff working on these projects. 500+ research papers were published this year, out of which 383 were WoS indexed. NED University continues to publish three high quality research journals, including NED University Research Journal and NED Journal of Architecture, both of which are enlisted in HEC HJRS database. Several faculty members have been engaged in conferences, public service, international mobility, representation on statutory forums of various universities. The faculty efforts continue to be recognized across the spectrum. Highlight of this year is the award of UNESCO Chair in Sustainable Urban Regions to NED University.

Quality Assurance at NED University continues to ensure that all systems are properly placed and implemented through appropriate monitoring, control and review mechanisms. QEC is also involved in capacity building of our human resource through various in-house training programmes. Quality Cells are also established and functioning at all affiliated institutions. NED University is also proud of its IT infrastructure, comprising of various Management Information Systems, Smart University and PERN connectivity, VPN and Digital Library Access. NED Academy has been leading continuous professional capacity building for the last two decades. This year too, it continued to excel with facilitating 5,000+ trainees from various institutions offering a wide range of development opportunities. Similarly, Office of Research, Innovation and Commercialization (ORIC) has been instrumental in promoting research and innovation activities on campus. National Incubation Centre, Karachi continues to host technology startups and carry out capacity building in technology entrepreneurship domain. Several startups have been graduated from the centre in the last year. Medical Centre of NED University also remained pro-active in providing COVID-19 related and general medical support to faculty, staff and students. All support functions including Registrar Office, Directorate of Finance, Procurement Cell, Directorate of Works and Services, and Directorate of Planning and Projects continued to work diligently enabling the University to excel.

The University enjoys a healthy alumni engagement as well as philanthropic support through the office of UAFA. Associations around the world continued to launch several supporting initiatives for the uplifting of this University including scholarships. NED Alumni Association of Southern California funded final year projects, research and awards including best papers and best teachers. Engr. Ashraf Habibullah, a prominent NED alumnus gifted 70 KW solar project to the Department of Mechanical Engineering. NEDIAN has sponsored the renovation of historic boiler room and chimney of the old NED campus. Engr Ahsan Zafar, CEO of Engro Energy has been instrumental in materializing support for the construction of baby daycare centre and the solarization of Engr. Abul Kalam Library. NED ALEF has supported the construction of smart classroom at the Department of Computer and Information Systems Engineering. There are several other initiatives which can be found under the alumni engagement section of the report. All of us at the University deeply appreciate and thank all our alumni and respected donors for their invaluable support ranging everywhere from infrastructure and student support, research, awards, energy and green campus.

This year is a memorable one with several special mentions! I must mention the launching of the commemorative coin and stamp by honorable Chief Minister Sindh, Syed Murad Ali Shah to celebrate the centennial year of the NED University's existence. This year also saw launch of the Civil Engineering programme at Thar Institute of Engineering, Science and Technology (TIEST), a constituent college of NED University which started in October 2019 as a historic feature for the region and the country; and continues to grow with the support of Govt. of Sindh. Another special mention is the inauguration of the state-of-the-art sports complex at NED's main campus. Partnership of NED with GSV is worth mentioning which resulted in a USD 12 million collaboration and saw the groundbreaking of Pakistan's first soccer city at NED University by Michael Owen, a prominent English football player. NED University Technology Park project is also aligned to initiate the international competitive bidding.

We continued to benchmark ourselves through various indicators including World Rankings. We feature in THE World Impact Rankings in top 800, with SDG4: Quality Education and Industry and SDG 9: Innovation and Infrastructure in top 200 and 300 respectively. In QS Asian rankings we are in top 400 universities and in RUR World rankings, we stand at 932 this year.

As we move into 2022-23, I invite you to continue engaging with us, sharing with us your valuable feedback and suggestions to help make Pakistan and the world a better place to live in. I close with the prayer that may Allah Taala give us strength and courage to continue the hard work with professionalism and sincerity. Ameen.

Happy reading!

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GEARING GROWTH IN UNIVERSITY RANKINGS



601–800

Times World Impact Ranking 2022

World Rankings under various SDGs:

TOP 200

4 QUALITY
EDUCATION



TOP 300

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



TOP 400

6 CLEAN WATER
AND SANITATION



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



13 CLIMATE
ACTION



351–400

QS Asian Rankings 2022

Top 2.5% among 12,000+ Universities in Asia

**932**

World University Rankings

615

World International Diversity Rankings

475Research income per
institutional income**615**

International level

914Share of International
Students**114**Institutional Income per
academic staff**413**

UI Green Metric World Ranking

175

Water

186

Transportation

242

Setting & Infrastructure

332

Energy & Climate Change

ACADEMIC PROGRAMMES

06

Faculties



Departments

27

29

Bachelors
ProgrammesMasters
Programmes

54

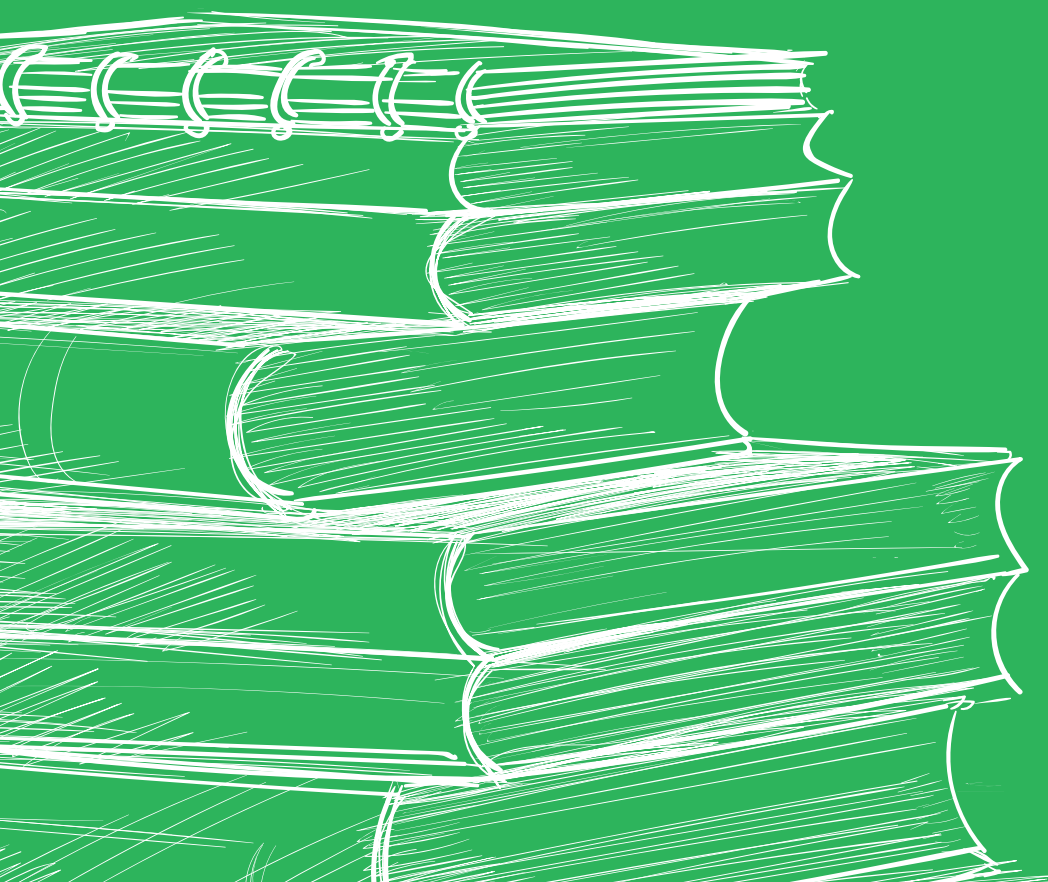
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Ph.D.
Programmes





NED University has 27 teaching departments from six faculties, offering 29 undergraduate, 54 masters and 22 Ph.D. programmes – thus a total of 105 programmes are currently being offered.

NED University has decided to transform all undergraduate engineering programmes on outcome-based education (OBE). All undergraduate engineering programmes have already obtained OBE-based accreditation from Pakistan Engineering Council (PEC).


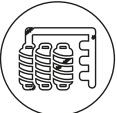


The details of faculty wide departments and the programmes offered are as follows:








Faculty of Civil and Petroleum Engineering

	DEPARTMENT	UNDERGRADUATE	MASTERS	PH.D.
	Civil Engineering	B.E. Civil Engineering B.E. Civil (Specialization in Construction Engineering)	M. Engg. Structural Engineering M. Engg. Geo-Tech Engineering M. Engg. Transportation Engg. M. Engg. Coastal & Water Resources Engineering MEM Construction Management MEM Water Resources Mgt.	Yes
	Urban and Infrastructure Engineering	B.E. Civil (Specialization in Urban Engineering)	MEM Transportation Infrastructure Management	Yes
	Petroleum Engineering	B.E. Petroleum Engineering	M. Engg. Petroleum Engineering	-
	Earthquake Engineering	-	M. Engg. Structural Earthquake Engineering	Yes




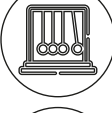


Faculty of Mechanical and Manufacturing Engineering

	DEPARTMENT	UNDERGRADUATE	MASTERS	PH.D.
	Mechanical Engineering	B.E. Mechanical Engineering	M. Engg. Design M. Engg. Energy Systems M. Engg. Mechatronics M. Engg. Renewable Energy MEM Energy and Plant Management	Yes
	Textile Engineering	B.E. Textile Engineering B.S. Textile Sciences	M. Engg. Textile Engineering MEM Textile Management MS Textile Management	Yes
	Industrial and Manufacturing Engineering	B.E. Industrial and Manufacturing Engineering	M. Engg. Manufacturing Engg. MEM Industrial Management MEM Quality Management MEM Supply Chain Management	Yes
	Automotive and Marine Engineering	B.E. Automotive Engineering	-	-




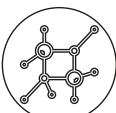


Faculty of Electrical and Computer Engineering

	DEPARTMENT	UNDERGRADUATE	MASTERS	PH.D.
	Electrical Engineering	B.E. Electrical Engineering	M. Engg. Electrical Power Systems M. Engg. Control Systems M. Engg. Electrical Machines & Drives M. Engg. Smart Grid MEM Energy Management	Yes
	Computer and Information Systems Engineering	B.E. Computer Systems Engineering	M. Engg. Computer Architecture & Systems Design M. Engg. Computer Network & System Security MS Data Engineering and Information Management MS Artificial Intelligence	Yes
	Electronic Engineering	B.E. Electronic Engineering	M. Engg. Micro System Design M. Engg. Industrial Electronics	Yes
	Telecommunications Engineering	B.E. Telecommunications Engineering	M. Engg. Telecommunications Engineering o) RF Engineering o) Telecommunications Networks MS Telecommunications Systems	Yes
	Biomedical Engineering	B.E. Biomedical Engineering	M. Engg. Biomedical Engineering	Yes



Faculty of Information Sciences and Humanities

	DEPARTMENT	UNDERGRADUATE	MASTERS	PH.D.
	Software Engineering	B.E. Software Engineering	-	Yes
	Computer Science & Information Technology	B.S. Computer Science & Information Technology	MS Computer Science and Information Technology MS Information Security MS Data Sciences	Yes
	Mathematics	B.S. Computational Finance	MS Applied Mathematics	Yes
	Physics	B.S. Applied Physics	MS Physics MS Optics MS Medical Physics	Yes
	Chemistry	B.S. Industrial Chemistry	MS Industrial Chemistry	Yes
	Humanities	B.S. English Linguistics	MS Applied Linguistics	Yes

Faculty of Chemical and Process Engineering

	DEPARTMENT	UNDERGRADUATE	MASTERS	PH.D.
	Chemical Engineering	B.E. Chemical Engineering	M. Engg. Chemical Engineering MEM Chemical & Process Management	Yes
	Materials Engineering	B.E. Materials Engineering	M. Engg. Materials Engineering	Yes
	Metallurgical Engineering	B.E. Metallurgical Engineering	-	-
	Polymer and Petrochemical Engineering	B.E. Polymer & Petrochemical Engineering	M. Engg. Polymer Engineering	Yes
	Food Engineering	B.E. Food Engineering	-	-
	Environmental Engineering	-	M. Engg. Environmental Engineering MEM Environmental Management	Yes

Faculty of Architecture and Management Sciences

	DEPARTMENT	UNDERGRADUATE	MASTERS	PH.D.
	Architecture and Planning	B. Architecture B.S. Development Studies	Master of Urban & Regional Planning M. Arch. Architecture	Yes
	Economics and Management Sciences	B.S. Economics & Finance B.S. Management Sciences	MS Economics and Finance	-

STUDENTS



Applicants **18,310**

3,806 Admissions



Enrolment **12,209**

3,209 Graduation



		MALE	FEMALE	TOTAL
Applications	Undergraduate Programmes	10,949	4,859 (31%)	15,808
	Masters Programmes	1,794	512 (22%)	2,306
	PhD Programmes	121	75 (38%)	196
	Total Applicants	12,864	5,446 (30%)	18,310
Admissions	Undergraduate Programmes	1,464	1,098 (43%)	2,562
	Masters Programmes	903	284 (24%)	1,187
	PhD Programmes	29	28 (49%)	57
	Total Admissions	2,396	1,410 (37%)	3,806
Enrolment	Undergraduate Programmes	5,634	3,720 (40%)	9,354
	Enrolment in TIEST	62	-	62
	Masters Programmes	1,953	635 (25%)	2,588
	PhD Programmes	123	82 (40%)	205
	Total Enrolment	7,772	4,437 (36%)	12,209
Graduation	Undergraduate Programmes	1,411	881 (38%)	2,292
	Masters Programmes	634	265 (29%)	899
	PhD Programmes	10	8 (44%)	18
	Total Graduation	2,055	1,154 (36%)	3,209

30TH CONVOCATION 2021

30th Convocation of NED University of Engineering and Technology was held on Saturday, the 27th November 2021. The convocation was held in two sessions.

In the morning session, degrees were conferred to postgraduate and PhD graduates. The chief guest on the occasion was Engr. Najeeb Haroon, Chairman, Pakistan Engineering Council and the convocation session was presided over by the Governor Sindh / Chancellor, Mr. Imran Ismail.



In the evening session, degrees were conferred to bachelors' graduates. The chief guest on the occasion was Mr. Hussain Dawood, Chairman of the Dawood Hercules Corporation, Engro Corporation, The Dawood Foundation and the Karachi School of Business & Leadership. Mr. Muhammad Ismail Rahoo, Provincial Minister of Sindh for Universities & Boards was the guest of honour. The convocation session was presided over by Syed Murad Ali Shah, Chief Minister Sindh.

A total of 1,563 degrees were awarded during the convocation including 1,456 undergraduate, 89 masters and 18 PhD degrees.





SCHOLARSHIPS AND FINANCIAL ASSISTANCE

This year a total of 2,708 scholarships were awarded worth over Rs. 207.4 Million. It is to be noted that we are reporting two semester's disbursement for our undergraduate programmes i.e. Fall 2021 and Spring 2022. Please see table below for details.

	MALE	FEMALE	TOTAL	AMOUNT (PKR)
Private Funded	587	481 (45%)	1068	68,451,261
Ehsaas Programme	369	246 (40%)	615	70,323,250
HEC Scholarship	130	96 (42%)	226	26,586,000
Zakat & Ushr	42	57 (57%)	99	10,039,000
Sindh HEC	6	9 (60%)	15	3,450,000
Duty Society	358	124 (26%)	482	8,289,620
PhD Fellowships		203		20,300,000
Total Awardees (2,708)				207,439,131



INDUSTRIAL EXPERIENCE



Internships – 1,736 Students



During Ramadan Break – 879 Students



During Vacations – 857 Students

37

Study Tours

189

Final year design
Projects from
Industries

361

On-Campus
Recruitment Drives &
Employment related
Activities

Directorate of Industrial Liaison (DIL) During Year 2021-22

Some of the organizations with whom Directorate of Industrial Liaison remained engaged during the past year



COMMUNITY SERVICE PROGRAMME

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

- Rehabilitation of Classrooms
- Books Management and Services at Abul Kalam Library
- Plantation and sustainability of green spaces
- Mosque management and services

Off Campus Services

- Creating Awareness for Traffic Rules in coordination with Traffic Police
- Books Management and Services at Public Sector Libraries
- Counselling and spending time with children in developing areas, orphanages, special children facilities
- Spending time with women at female old age homes
- End-to-end iftar managements for commuters
- End-to-end management of blood donation camps
- Cleaning of streets in various location of the City
- Teaching at schools of developing areas
- Helping and managing philanthropic activities
- Heat beat up drives
- Patient care in hospitals
- Creating awareness for mental and emotional wellbeing through dialogues and events
- Countering violent extremism during COVID-19 through dialogue and advocacy



Some of the collaborating organizations for community service programme



INTERNATIONAL STUDENTS AND MOBILITY

- 52 international students from six different nationalities are currently enrolled in various undergraduate and postgraduate programmes of the University. These nationalities include Sri Lanka, Yemen, Afghanistan, Somalia, Sudan, and Iraq.
- Six students from NED University went to USA on outbound student exchange programme this year.
- Over 100 inbound students visited NED University as part of various exchange visits.



CO AND EXTRA-CURRICULAR ACTIVITIES

The Office of the Controller of Student Affairs in collaboration with student and professional societies organises several extra and co-curricular activities throughout the year. Following is the list of few of such activities from year 2021-22:

- The Office of the Controller of Student Affairs in collaboration with student and professional societies organises several extra and co-curricular activities throughout the year. Following is the list of few of such activities from year 2021-22:
- The educational visit was held on 13th July 2021 by the students of the University of Balochistan – Khuzdar. The students visited labs of Departments of Computer Science and IT, Computer & Information System Engineering, and Electronic Engineering.
- Regional Round of Pakistan Universities Debating Championship (PUDC) 2021 was organised by HEC Regional Office Karachi. The students of NED Debating Society participated in both the English and Urdu tracks.
- The programme on Saudi Arabia Scholarship for fresh graduate students was held on 8th October 2021 at the Civil Engineering Video Conferencing Hall. The programme was organised in collaboration with the Ministry of Foreign Affairs, Pakistan.
- The programme on Youm-e-Hussain (RA) was held on 12th October 2021 at the Civil Engineering Video Conferencing Hall. The programme was co-organized by the Youm-e-Hussain Committee.
- The Event NED Racing – Run Extra Mile was held on 26th October 2021 at NED University. The event was co-organized by Train to Change the World (TCW) and Sports Section of NED University.
- The rally on Black Day for Kashmir was held on 27th October 2021 at NED University campus. The rally was co-organized by several students' societies.
- The programme on Breast Cancer Youth Awareness was held on 28th October 2021 at the Civil Engineering Video Conferencing Hall. The programme was co-hosted by the HEC, Pink Ribbon, NED Girls Affairs Society and the University's Medical Department.
- The programme on opportunities of Higher Studies in Australia was held on 2nd November 2021 at National Incubation Centre. The programme was organised in collaboration with the representatives of Edith Cowan University, Australia.
- The educational visit of University of Balochistan students was held on 10th November 2021. The students visited technology and IT related labs and research centres of the University.
- The Blood Donation Camp for Thalassemia affected children was set up on 10th and 11th November 2021 at NED's old Admin block and the Medical Centre. The blood donation camp was co-organized by Rotary Club of Karachi and Al Mustafa Welfare Trust.
- The Orientation Programme and Carnival 2021 for fresh students at NED University was held on 22nd and 23rd November 2021 at Syed Mahmood Alam Auditorium and Fountain Area.
- The Photography and Videography Competition was held on 6th December 2021 at the Mechanical Engineering Lecture theatre. The event was co-organized by NED Photography (NPS) and NED NSA societies.
- The educational visit of Quaid e Azam Rangers School and College, North Nazimabad was held on 7th December 2021. The students visited various research centres and Engr. Abul Kalam library.
- The Talent Hunt and Cap Tech competition was held on 8th December 2021 at the Civil Engineering Video Conferencing Hall. The competition was co-hosted by The NEDian Forum (TNF) and SENTEC.
- The programme on Anti-Corruption was held on 8th December 2021 at Civil Engineering Video Conferencing Hall. The programme was co-organized by The NEDian Forum (TNF).

- The Theme Art Competition was held on 9th December 2021 at NED Squash Court. The event was co-organized by The NEDian Forum (TNF).
- The Blood Donation Camp was set up on 22nd and 23rd December 2021 at the old admin block and the main cafeteria sites. The camp was co-organized by Fatimid Foundation.
- A lecture was delivered by religious scholar Ms. Hannah Sattar on the topic “Quran in My Life” on 23rd December 2021 at NIC Auditorium. The lecture was co-organized by NED Girls Affairs Society (NGAS).
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- A visit was arranged for NED students and faculty members to spend a day with brave soldiers on 25th December 2021 at the Malir Cantonment. The visit was co-hosted by Headquarters, 4 Air Defence Division, Malir Cantonment.
- A Speech Competition on 100 years journey of NED University (Urdu and English Contest) was held on 28th December 2021 at Civil Engineering Video Conferencing Hall. The competition was co-organized by NED Debating Society.
- The SENTEC’s induction ceremony was held on 29th December 2021 at the Petroleum Engineering Video Conferencing Hall.
- The induction session of NSA was held on 30th December 2021 at Mechanical Engineering Lecture Theatre.
- The programme Zaawiya: an angle or perspective was held on 30th December 2021 at NIC Auditorium. The programme was co-organized by NED Literary & Publications Society (NLPS).
- The Seminar on “Heart to Heart – Secret of “Success in Life” by Kamran Ahmed Siddiqui was held on 3rd January 2022 at Civil Engineering Video Conferencing Hall. The programme was co-organized by The NEDian Forum (TNF).
- The National Songs Competition was held on 6th January 2022 at Syed Mahmood Alam Auditorium. The programme was co-organized by NED Green Society.
- The Awareness Session on “Thalassemia Management Control and Prevention” by Ms. Reema Imran (Begum Governor Sindh) was held on 11th January 2022 at the Civil Engineering Video Conferencing Hall. The awareness session was co-organized by the Governor House, Sindh and The NEDian Forum (TNF).
- The Blood Donation Drive was held on 10th and 11th January 2022 at NED University. The drive was co-organized by the Indus Hospital Blood Centre.
- The programme Zaawia, the Poetry Recital and Narration was held on 17th January 2022 at Civil Engineering Video Conferencing Hall. The programme was co-hosted by NED Literary and Publications Society (LPS).
- The Talk with Director General Pakistan Rangers (Sindh) was held on 19th January 2022 at Syed Mahmood Alam Auditorium. The programme was co-organized by DSA Society.
- The programme on Women Empowerment was held on 25th January 2022 at the Video Conferencing Hall of Civil Engineering. The programme was co-organized by NED Girls Affairs Society.
- A religious motivational lecture for students’ moral upbringing and responsible behaviour was delivered by Brother Shuja Uddin Sheikh on 7th February 2022 at the Civil Engineering Video Conferencing Hall.
- The students of Habib Girls School visited NED University on 3rd March 2022. They visited several venues of NED campus including Departments of Civil, Electrical, Automotive & Marine, Textile Engineering and the National Incubation Centre.
- The seminar on “Important Steps for Improvement of IT and Textile field in Pakistan” was held on 17th March 2022 at the Civil Engineering Video Conferencing Hall. The online guests of the programme were Mr. Asad Majeed, honourable Pakistani Ambassador in USA, and Mr. Anas Jamaal Hashmi, the President of NED Alumni Association, USA. The programme was co-hosted by Dunya News Channel.
- The GRE orientation session was held on 22nd March 2022 at Mechanical Engineering Lecture Theatre. The session was conducted by United State Education Foundation in Pakistan (USEFP).
- The Grand Flag Hoisting Ceremony on Pakistan Day was held on 23rd March 2022 at NED Convocation Ground. The programme was co-organized by Bhittai Rangers, HQ 72 Wing (Zarb-e-Haider) and NED University’s Registrar Office.

- The Seminar on Paigham-e-Pakistan was held on 25th March 2022 at NIC Auditorium, NED University. The seminar was co-organized by Islamic Research Institute, Islamabad.
- The students of GC University Hyderabad visited NED University on 28th March 2022 in which they visited the Department of Mathematics and NED Sports Section.
- The programme: A Day Out with Rangers was held on 29th March 2022 at the Rangers Training Centre and School Pakistan Rangers (Sindh) in which the Students and Faculty of NED University visited the Bhattai Rangers, Headquarter. The programme was co-organized by Sindh Rangers.



پاکستان میں آئی ٹی اور ٹیکنیکل کی ترقی کیلئے ضروری اقدامات
17 مارچ 2022 بروز جمعرات، پاکستانی وقت، شام 7 بجے (امریکا صبح 9 بجے)

آؤ دنیا کسی آواز میں
دنیا فورم

دنیا فورم میں امریکا میں
پاکستانی سفیر محترم اسد مجید خان
طلبہ سے خصوصی گفتگو کریں گے۔

بمقام: این ای ڈی یونیورسٹی

شرکاء

- ڈاکٹر سر و شحشت لودی (وائس چانسلر این ای ڈی یونیورسٹی)
- انس جمال ہاشمی (صدر این ای ڈی المانی امریکا، واشنگٹن ڈی سی)
- فیض الرحمان (مینیجنگ کنسلٹنٹ، سابق سربراہ وائس آف امریکا، واشنگٹن ڈی سی)

طلبہ اور طالبات کو رہنماؤں سے براہ راست سوالات کا موقع فراہم کیا جائے گا

مصطفیٰ حبیب صدیقی (ایڈیٹر فورم)

mustafa.habib@dunya.com.pk 0344-4473215

International Day Of
Women and girls
In Science

NOVA



SPORTS ACHIEVEMENTS AND AWARDS

The following sports events were organized by the Sports Section of the Office of Controller of Student Affairs during the year 2021-22:

Dates	Sports Event	Venue
8 th to 10 th July 2021	Night Cricket Tournament for NED resident students	NED Outdoor Court
7 th to 9 th July 2021	Sports Gala: Basketball. (Boys and Girls), Badminton (Boys and Girls), Cricket (Boys and Girls), Table Tennis (Boys and Girls), Futsal (Boys and Girls), Football (Boys), Athletics (Boys and Girls)	Boys Gym, Girls Gym, Basketball court, Athletics Track
29 th September 2021	NED Cricket team vs NED Alumni Cricket team	NED Cricket Ground
5 th October 2021	Inter Department Cricket Match	NED Cricket Ground
6 th to 8 th October 2021	All Pakistan Inter Board Table Tennis Tournament 2021 (in collaboration with Sindh Board of Technical Education Karachi)	NED Boys Gymnasium
8 th October 2021	Inter Department Cricket Match	NED Cricket Ground
13 th & 14 th October 2021	Archery Camp for NED Students with collaboration of Khud Muahfiz.	NED Basketball Outdoor Court
16 th October, 23 rd October, 26 th October, 29 th October, 5 th November 2021	Five match Cricket Series between NED Blues and NED Green	NED Cricket Ground
6 th November 2021	Football match between NED Football Team and Sixteen Star Football Club	NED Football Ground
8 th November 2021	Athletics trials (Boys and Girls) in collaboration with the University of Karachi	NED University Athletics track
12 th November 2021	Night Cricket Match between NED XI and Alumni XI	NED Cricket Ground
19 th November 2021	Night Cricket Match between NED XI and IOBM Karachi	NED Cricket Ground
20 th to 25 th December 2021	Camp for Intervarsity Shooting (Men and Women) Championship 2021-22	PNS Bahadur, Pakistan Navy Karsaz
29 th and 30 th December 2021	NED University Cricket Trials	NED Cricket Ground
28 th to 31 st December 2021	Night Cricket Tournament for NED resident students	NED Cricket Ground

Dates	Sports Event	Venue
24 th January 2022	Night Cricket Match between NED XI and UIT University	NED Cricket Ground
26 th February 2022	All Karachi Futsal Tournament (Boys and Girls) in collaboration with All Junior King Club, Karachi	NED Outdoor Court
28 th February 2022	Intervarsity Cricket (Zone-G) Championship-2022 Iqra University vs IBA, Karachi	NED Cricket Ground
1 st March 2022	IMEchE Sports Festival for NED Students Chapter 2022: Cricket, Football, Basketball, Badminton	Boys Gymnasium NED Outdoor Courts
1 st March 2022	Intervarsity Cricket (Zone-G) Championship-2022 University of Karachi vs Sir Syed University	NED Cricket Ground
2 nd March 2022	Intervarsity Cricket (Zone-G) Championship-2022 University of Karachi vs Indus University	NED Cricket Ground
2 nd and 3 rd March 2022	Board of Intermediate Education Karachi Inter-Collegiate Athletics Championship 2022 (Boys and Girls)	NED University Athletics Track
7 th and 8 th March 2022	SSB Special Games 2022 in collaboration with Sports and Youth Affairs and Pakistan Rangers (Sindh): Basketball, Badminton, Racing events (50m, 100m, 200m, Relay, Tag war)	NED University Athletics Track Boys Gymnasium

As, the world emerged from Covid-19 pandemic, sports also came to life. 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 Badminton (Boys) team participated in Inter varsity Badminton (Zone-G) Championship 2021-22, held at IoBM, Korangi Creek, on 14th and 15th December 2021.

NED boys and girls teams participated in HEC All Pakistan Intersvarsity Athletic (Men and Women) Kamyab Jawan Sports Drive (2021-22), organized at Pakistan Sports Board, Islamabad in various events. The event was held from 6th to 9th December 2021. Ms. Eisha Iffan, a student of Textile Sciences won the medals in following events:

400m – Silver 200m – Bronze 100m – Bronze

NED team also participated in the 6th Chief of Naval Staff (CNS) Open HEC Shooting (Men and Women) Shooting.

Championship (2021-22) held at PNS Bahadur Pakistan Navy Karsaz from 26th December 2021 to 2nd January 2022.

NED Basketball (Boys) team participated in Intersvarsity Basketball (Zone-G) Championship 2021-22 held at PAF KIET University, Korangi Creek. The event was held from 5th to 6th January 2022.

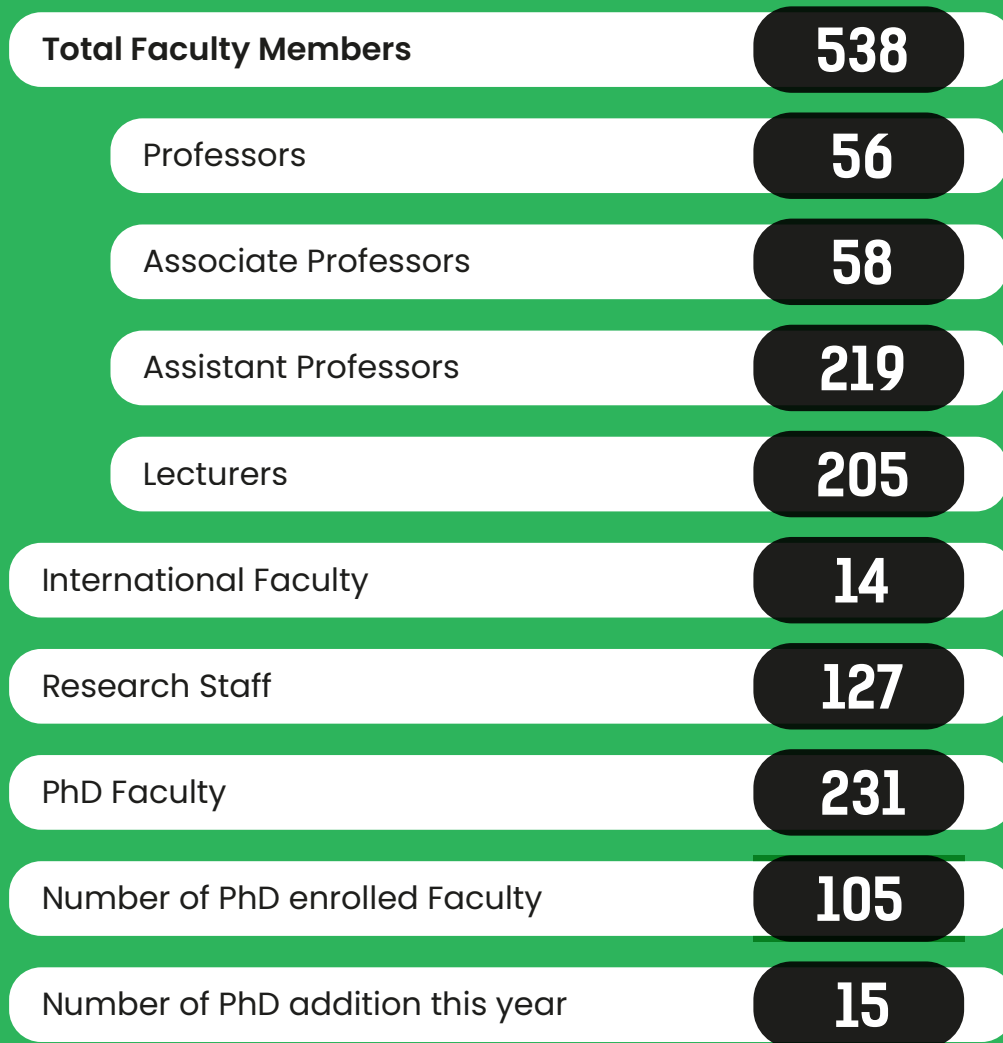
NED Badminton (Girls) team participated in Rangers All Karachi Badminton Girls Championship held on 26th and 27th January 2022.

NED Cricket (Boys) team participated in Intersvarsity Cricket (Zone-G) Championship 2021-22 organized by Hamdard University, held at Aga Khan Gym Khana from 28th February to 3rd March 2022.

NED Badminton (Girls) team participated in All Karachi Female Badminton Championship 2022, held at PAF KIET on 2nd March 2022.



FACULTY STATISTICS



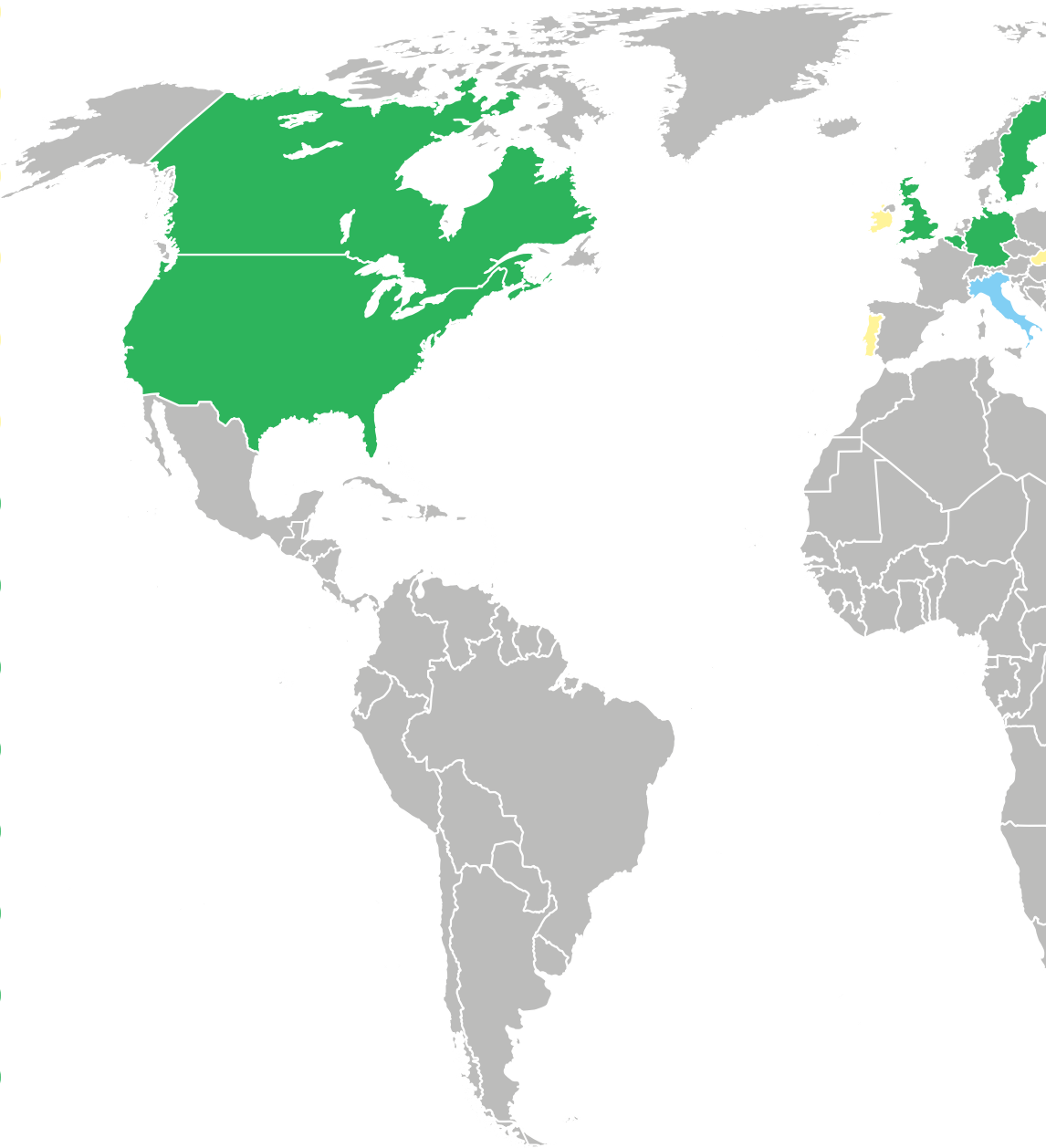
There are a total of 538 faculty members at NED University, out of which 231 (43%) are PhD holders. In addition to the local faculty members, NED University hosts 19 International faculty members including the Turkish and Chinese who undertook the teaching requirements of foreign languages at the University. The designation wise break up of Faculty is as follows:



PHD FACULTY

COUNTRY WISE (231)

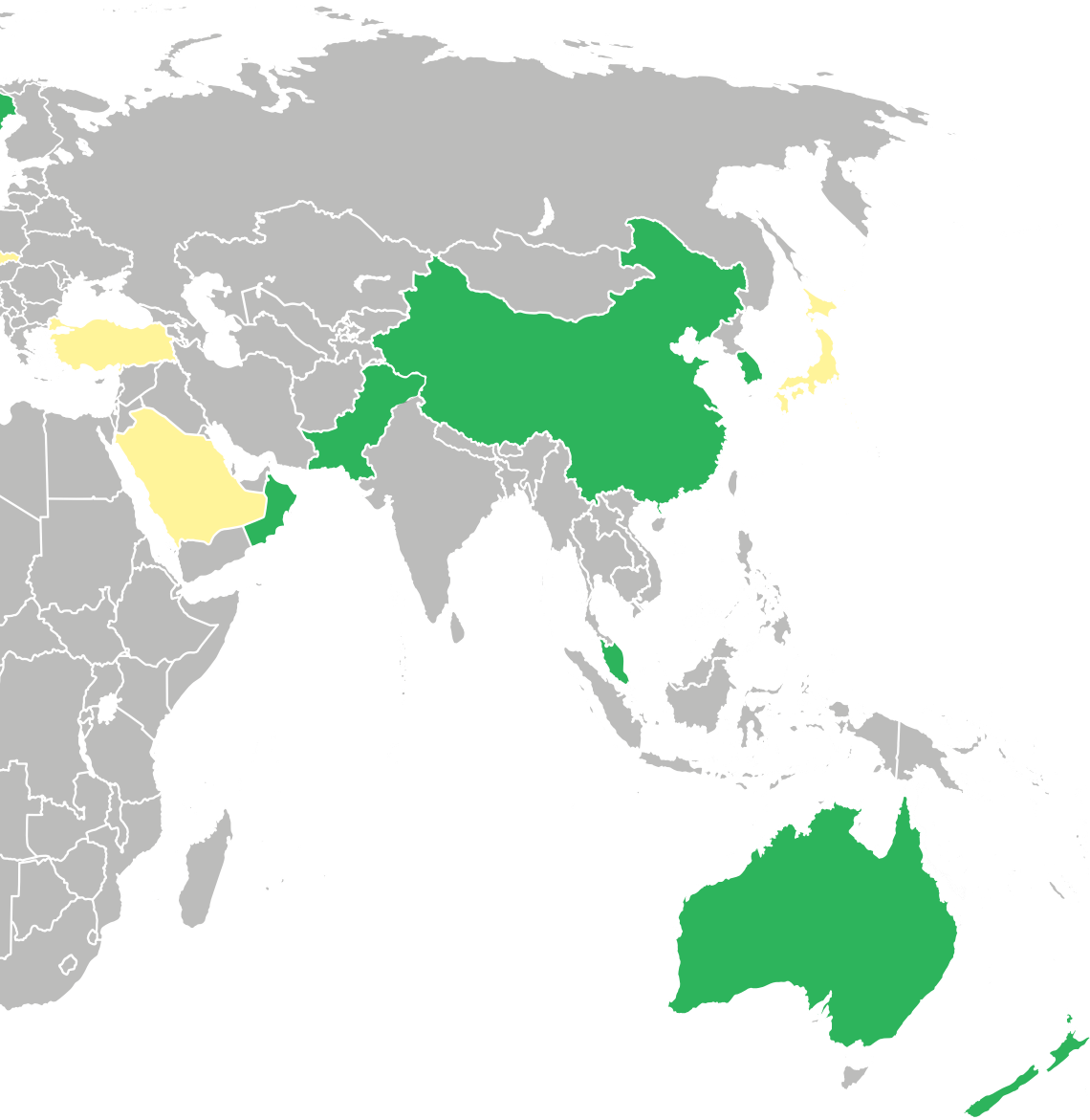
Austria	01
Hong Kong	01
Ireland	01
Italy	03
Japan	02
Turkey	03
Portugal	01
Saudi Arabia	03
South Korea	10
Australia	01
Canada	06
China	10
Germany	07
Malaysia	25
Netherlands	02
New Zealand	09
Oman	01
Pakistan	66
Sweden	02
UK	63
USA	14



PHD Faculty PHD enrolled faculty Both

PHD ENROLLED FACULTY

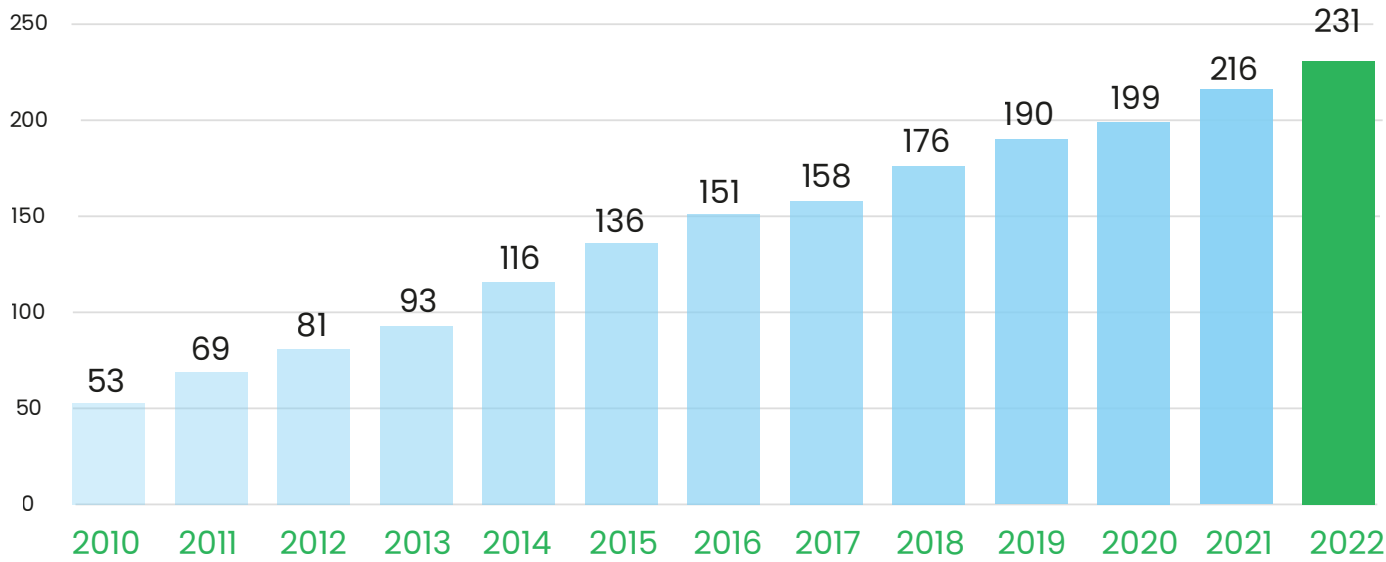
COUNTRY WISE (105)



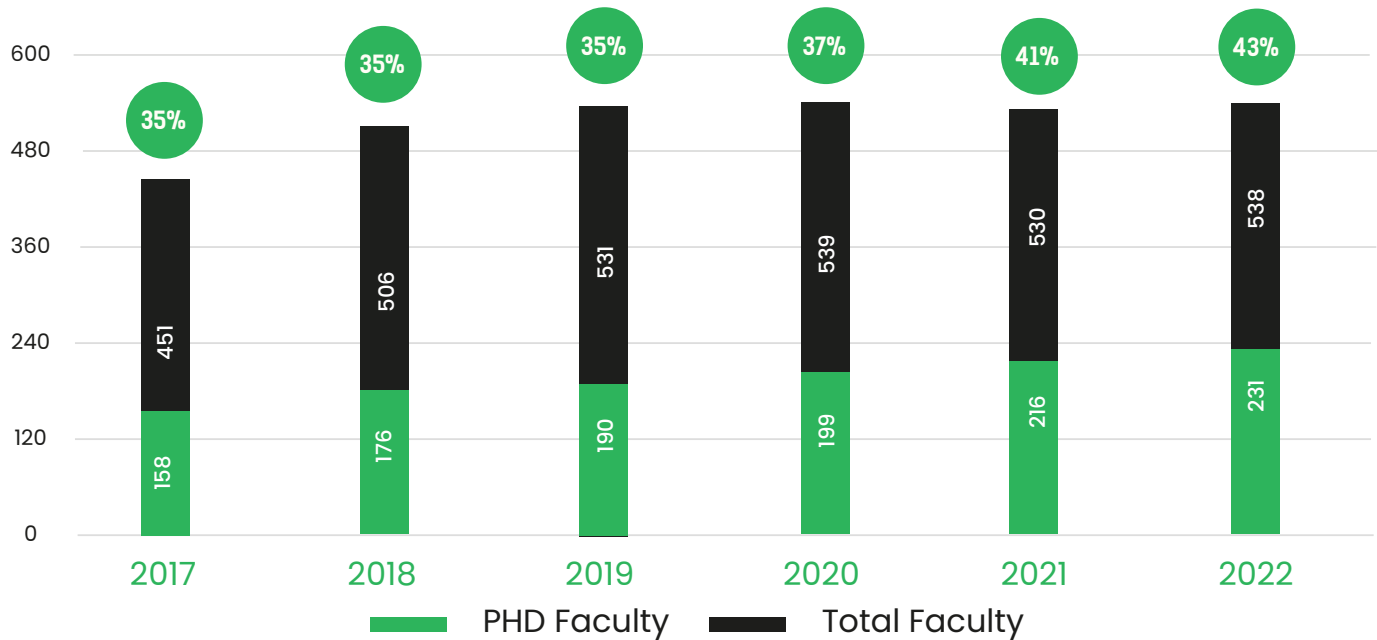
Norway	01
Singapore	01
South Korea	01
Australia	02
Canada	01
China	03
Germany	01
Malaysia	05
Netherlands	02
New Zealand	05
Oman	01
Pakistan	70
Sweden	01
UK	07
USA	04

PHD Faculty PHD enrolled faculty Both

NUMBER OF PHD QUALIFIED FACULTY OVER YEARS



RATIO OF PHD FACULTY OVER ALL FACULTY OVER THE YEARS



FACULTY SERVICES

16 Journals as Editor/Associate Editor

18 Faculty members as Advisory Board/Editorial board of **27** research journals

103 Faculty members as Reviewer of **216** research journals

18 Faculty members as Conference Convener/Chair/Secretary in **16** Conferences

60 Faculty members as Reviewer in **24** Technical Conferences

42 Faculty members as Session Chairs/Moderators in **15** Conferences

96 Faculty members presented in international conferences

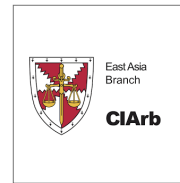
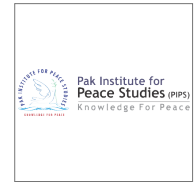
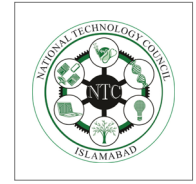
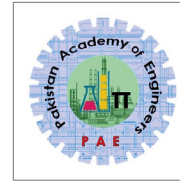
40+ Faculty members as member of other **30+** Universities Statutory forums

40+ Faculty members as member of National/International Committee/Boards/ Think Tanks

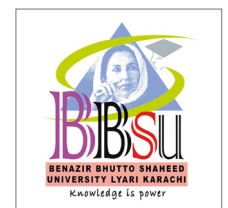
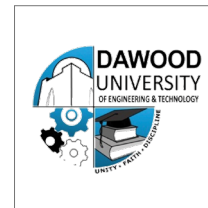
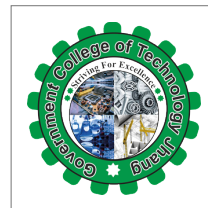
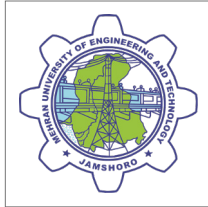


PUBLIC SERVICE

Faculty members of NED University have been actively engaged with various institutions and organisations assisting through their expertise. Some of the salient representations are as follows:



REPRESENTATION ON UNIVERSITIES STATUTORY AND TECHNICAL FORUMS



FACULTY AWARDS

- Dr. Muhammad Wasif, Department of Industrial and Manufacturing Engineering received HEC Best University Teacher Award (National Level) 2020 from the honorable President of Pakistan, Dr. Arif Alvi on 8th September 2021.
- Dr. Muhammad Imran Aslam, Department of Telecommunication Engineering was declared Best University Teacher for the year 2021.
- Dr. Riaz Uddin, Department of Electrical Engineering won the runner up prize of the Ali Suleman Habib Engineering Excellence Award for his work on ICU grade ventilators in May 2022.

The list of Faculty awards during the year 2021-22 is provides below:

Name	Department	Award Title	Awarding Organization	Country
Dr. Muhammad Imran Aslam	Telecommunications Engineering	Best University Teacher Award (University Level)	HEC / NED University	Pakistan
Dr. Riaz Uddin	Electrical Engineering	Ali Suleman Habib Engineering Excellence Award (Runner Up)	House of Habib	Pakistan
Dr. Nafis Ul Haque	Metallurgical Engineering	UK Alumni Awards (Finalist – Science and Sustainability)	British Council	UK
Dr. Muhammad Bilal Usmani	Humanities	National Seerat Award	Ministry of Religious & Harmony Affairs	Pakistan
Mr. Farhan Ahmed	Economics and Management Sciences	Social Action Project Award	British Council	Pakistan
Dr. Tehmina Ayub	Civil Engineering	Fatima Jinnah and Benazir Bhutto Award	Sind Commission on the status of Women, Sind Government	Pakistan
Mr. Farhan Ahmed	Economics and Management Sciences	Community Services Award	Federation of Pakistan Chamber of Commerce and Industry	Pakistan
Dr. Maria Andleeb Siddiqui	Software Engineering	Postgraduate Scholar Award 2021	American Society of Science Engineering and Technology	USA
Dr. Afzal Ahmed	Urban & Infrastructure Engineering	Best Published Researcher Award	NED Alumni Association of Southern California	USA
Engr. Muhammad Uzair Yousuf	Mechanical Engineering	Best Published Research Award	NED Alumni Association of Southern California	USA
Dr. Umbrin Sultana	Electrical Engineering	Best Published Research Award	NED Alumni Association of Southern California	USA
Dr. Muhammad Owais Raza Siddiqui	Textile Engineering	Best Published Research Award	NED Alumni Association of Southern California	USA
Dr. Syed Ali Ammar Taqvi	Chemical Engineering	Best Published Research Award	NED Alumni Association of Southern California	USA
Dr. Ali Dad Chandio	Metallurgical Engineering	Best Published Research Award	NED Alumni Association of Southern California	USA
Dr. Farnaz Batool	Civil Engineering	Best Published Research Award	NED Alumni Association of Southern California	USA

Name	Department	Award Title	Awarding Organization	Country
Dr. Amtul Qayoom	Chemistry	Best Published Research Award	NED Alumni Association of Southern California	USA
Dr. Anjum Ayub	Chemistry	Best Published Research Award	NED Alumni Association of Southern California	USA
Dr Syed Ali Ammar Taqvi	Chemical Engineering	Best Researcher Award	UTP	Malaysia
Dr. Kashif Mehboob Khan	Software Engineering	Featured Among World's Top Scientist 2022	AD Scientific Index (Alper-Doger Scientific Index)	Turkey
Dr. Muhammad Uzair	Mechanical Engineering	Student Body Advisor of the Year Award-2022	ASHRAE Pakistan	Pakistan
Engr. Muhammad Uzair Yousuf	Mechanical Engineering	Chairman's Medal for Best Paper	The Institution of Engineers, Pakistan (IEP)	Pakistan
Engr. Ahsan Ahmed	Mechanical Engineering	Best Teacher Award	NED Alumni Association of Southern California	USA
Dr. Ali Dad Chandio	Metallurgical Engineering	Best Teacher Award	NED Alumni Association of Southern California	USA
Mr. Ghulam Mustafa	Physics	Best Teacher Award	NED Alumni Association of Southern California	USA
Engr. Muhammad Uzair Yousuf	Mechanical Engineering	Best Teacher Award	NED Alumni Association of Southern California	USA



RESEARCH STATISTICS

Research Centres

23

On-going Projects

223

Research Funding (Rs. in Million)

1704

Research Publications

500+

JCR indexed Publications

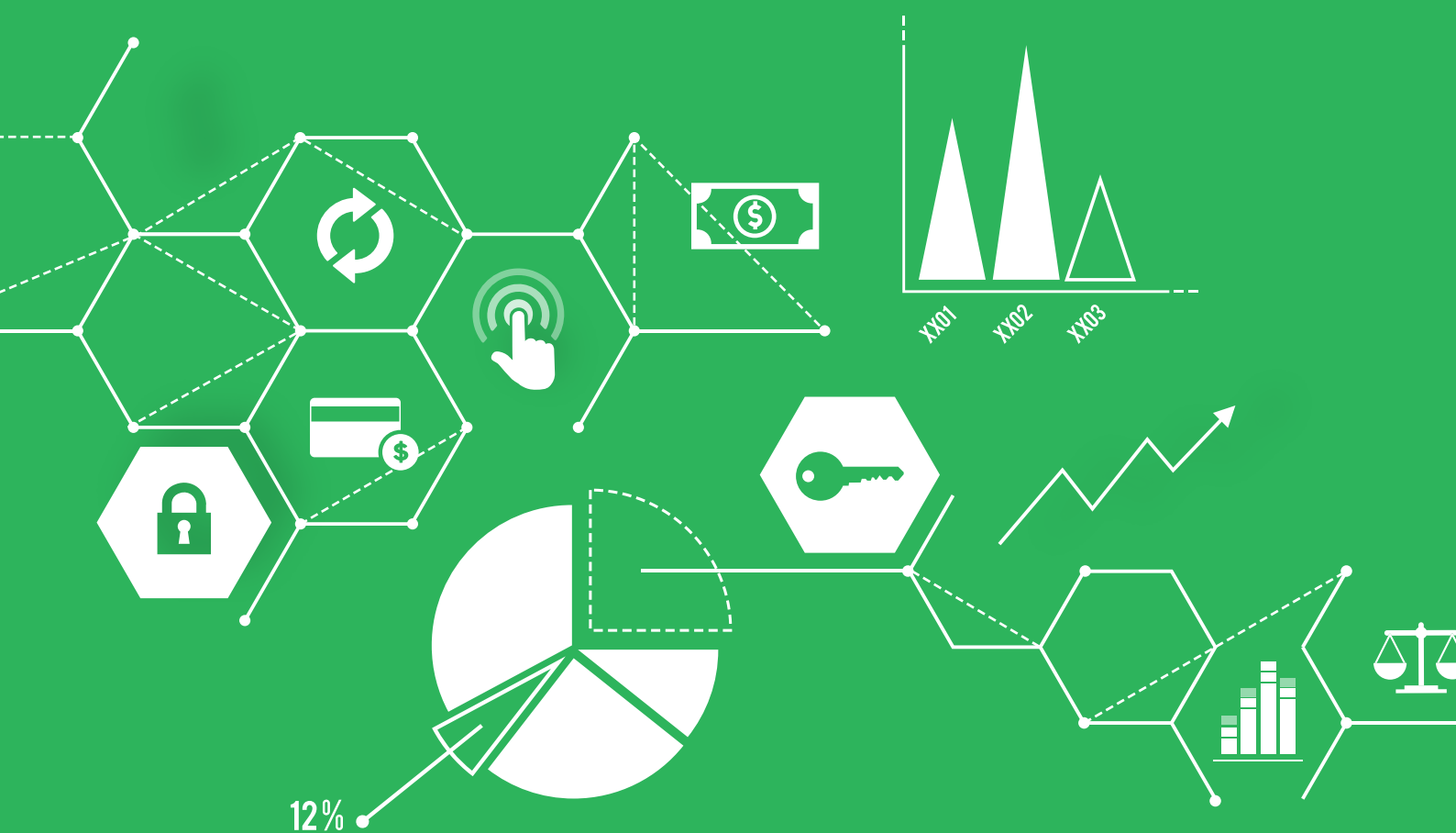
383

Research Staff

127

International Conferences held

09



RESEARCH CENTRES

The University houses twenty-three state of the art research centres, which are actively involved in conducting hi-tech and hi-impact research. These centres are:

Advanced Traffic Lab
for Analytics and
Simulation (ATLAS)

Smart City Lab, NCAI

National Centre for
Cyber Security

Centre for Affordable
Housing and
Sustainable Built
Environment

Neurocomputation
Lab, NCAI

Electronic Design
Centre

Centre for Advanced
Studies in Renewable
Energy (ASURE)

National Incubation
Centre Karachi

K Electric Lab

Norwegian Centre for
Petroleum Studies

National Centre for
Robotics and
Automation

Centre for Software
Research and
Development (CSR D)

Advanced Materials
Testing Lab

Instrumentation
Centre

DICE Energy Centre

Panjwani Hisaar
Water Institute

High Performance
Computing Centre

National Centre for
Big Data Analytics

Cowasjee Earthquake
Centre

NED University Virtual
Reality Centre

Building Information
Modelling Centre

Product Development
Centre

Heritage Cell

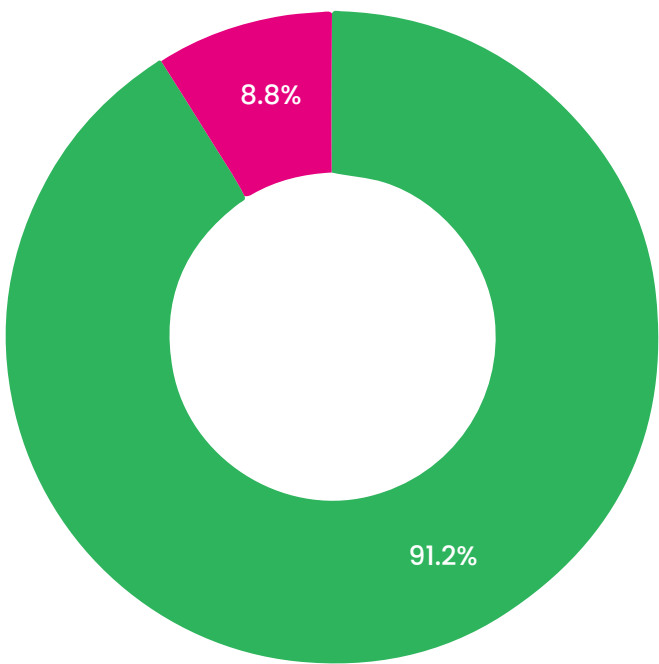
RESEARCH GRANTS

A total of 223 research projects worth Rs. 1,704 million have either won, on-going or completed in 2021-22. 117 projects are internally funded worth Rs. 126 million; whereas, 106 projects are externally funded worth 1,579 million, which is 91% of the total funding acquired.

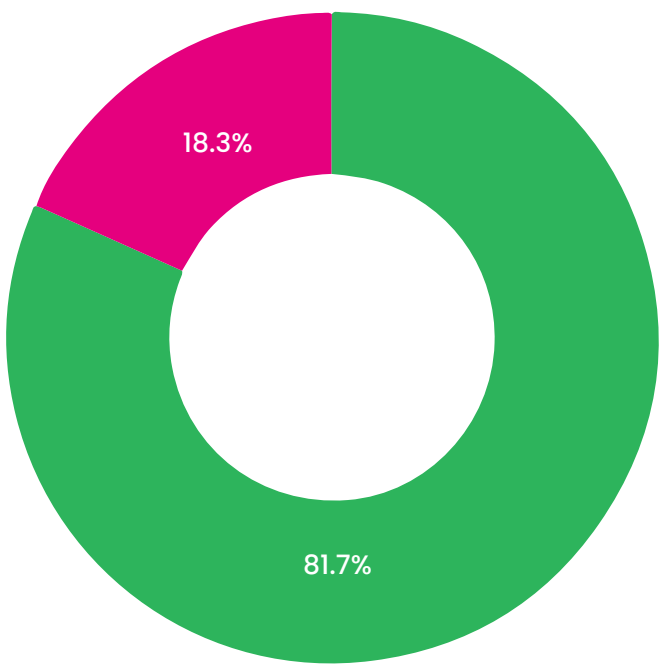
Similarly, Rs. 310 million (18%) funding is international whereas Rs. 1,394 million (82%) is from national sources including HEC GCF, HEC TTSF, HEC NRPU, HEC CPEC CRG, PSF and National Centres etc. It is worth mentioning that 26 projects worth Rs. 303 million are in the industrial consultancy category, which reflects the strong industrial linkage of NED University.

Description	Number	Funding (PKR million)
Total on-going projects	223	1,704
National Projects	204	1,394
International Projects	19	310

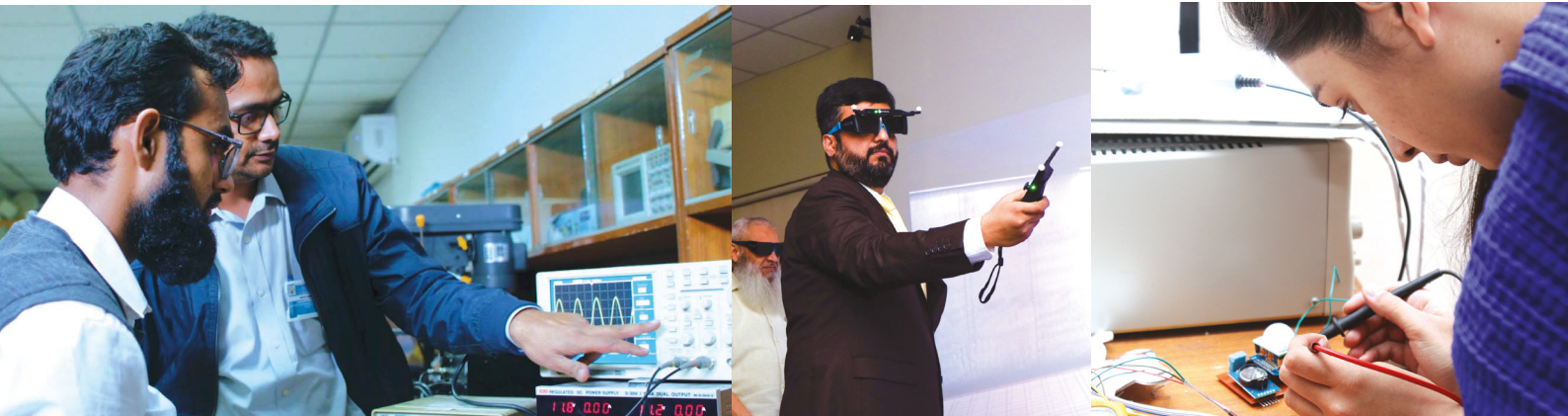
Number of Projects
(National Vs International)



Funding Amount Proportion (%)
(National vs. International)

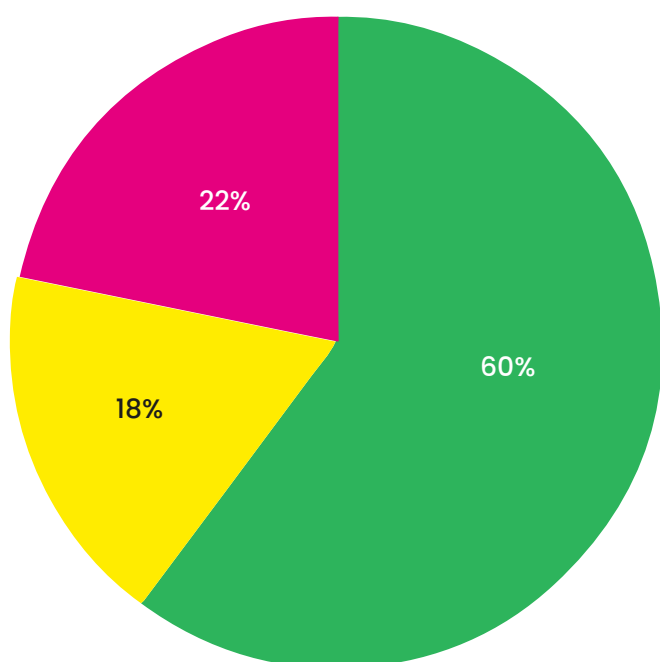


■ National ■ International



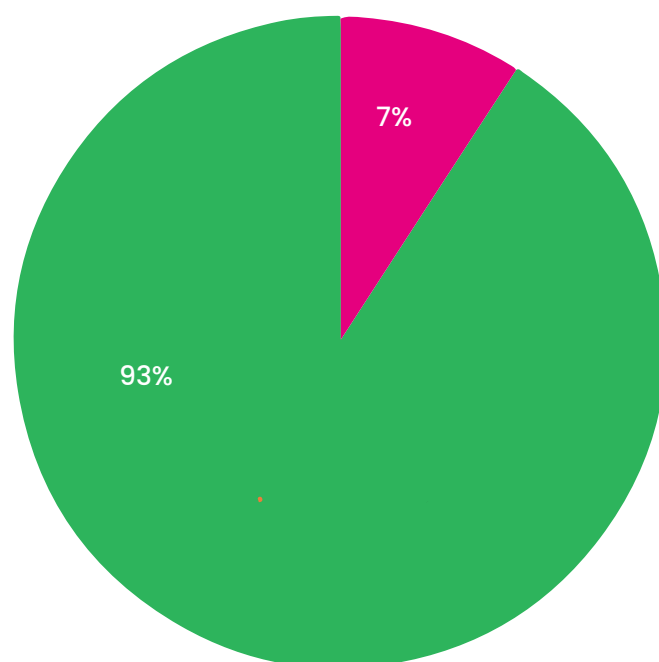
Description	Number	Funding (PKR million)
Research	192	1,034
Consultancy/ Industrial Projects	26	303
National Centres	5	367
Internal	117	126
External	106	1,578

Funding Amount Proportion (%)
(Research, Industry and National Centres)



Research Industry National Centres

Funding Amount Proportion (%)
(Internal vs. External)



Extrenal Internal



Year	Publications
2017	157
2018	167
2019	220
2020	227
2021	335

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Incites dataset updated Apr 1, 2022, Includes Web of Science content indexed through Mar 12, 202, Export Date: Apr 26, 2022.

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 recognized and listed in HEC's HJRS database and indexed by several international 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) is a 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.





CONFERENCES

Since last year, nine (9) international conferences were held at NED University of Engineering and Technology:

- International Conference on Future Trends of Quality Assurance in Higher Education 2022, 16th and 17th May 2022
- 12th International Civil Engineering Conference ICEC-2022, Integrating Technology in Civil Engineering, 13th and 14th May 2022
- 7th International Electrical Engineering Conference IEEC-2022, 25th and 26th March 2022
- 11th International Mechanical Engineering Conference, IMEC-2022, 14th and 15th January 2022
- 5th International Conference on Urban and Regional Planning (CURP) – 2021, 3rd and 4th December 2021
- 5th Karachi International Water Conference, Climate Change and Pandemic: Impact on Water, 17th November – 23rd December 2021
- IEEE 18th International Conference on Smart Communities: Improving Quality of Life using ICT, IoT and AI inaugurates at NED University of Engineering and Technology, 11th to 13th October 2021
- 1st International Conference on Applied Physics and Engineering (ICAPE 2021), 16th and 17th September 2021
- 1st International Conference on Advances in Material Science and Environmental Engineering 2021 (ICAMSEE-2021), 25th and 26th June 2021

OFFICE OF RESEARCH, INNOVATION AND COMMERCIALIZATION

ORIC pursues to boost the environment of Research and Technology commercialization at University by supporting the university's strategic research directions and policies to increase and diversify external research funding and grants and enhance the technology transfer mechanism to convert research into commercialized product for the public benefit.

Innovation and Intellectual Property:

The following Patent applications were filed this year:

- Dr. Nuzhat Arshad, Department of Chemistry, Synthesis of Natural products-based crown ethers of Anticancer and Antidiabetic Potential.
- Dr. Rafia Usman Khan, Department of Chemistry, Synthesis of short chain Ethyl 1-6-Methyl-4 Phenyl-2,3,4-dihydropyrimidine-5Carboxylate stabilized silver Nanoparticles as unique Nano-hybrid with remarkable impact in Environment and Biological Applications.
- Dr. Shazia Perveen, Department of Chemistry, An inventive Scalable Method for the Production of High-Quality Graphene Oxide Nano-sheets.
- Dr. Shazia Perveen, Department of Chemistry, A Novel Scalable Electrochemical Method for Obtaining High Quality Reduced Graphene Oxide Nano-sheets & A Novel Characterization Method Thereof.

Research Activities:

ORIC played an efficient role in encouraging faculty and researchers to actively participate in the funding and research grants available through national and international forums to transform their research into developed products for commercialization for making incremental improvements to the quality of life for consumers. In addition to the on-going projects, this year, following number of research proposal are already submitted and are in various stages of review.

49

National Research Programme for Universities (NRPU), which is a flagship Research Programme of HEC for funding research grants on competitive merit for high-level and promising scientific research projects that demonstrate strategic relevance and impact to local industry and society. As of now, 24 proposals have been awarded, making the acceptance rate at 49%.

14

The Grand Challenge Fund (GCF), a Project supported by the World Bank and implemented by the Higher Education Commission (HEC). The GCF is anticipated to promote research excellence in strategic sectors of the economy, and will provide funds to selected institutions based upon a competitive, peer-reviewed evaluation of proposals.

06

Local Challenge Fund, a Project supported by the World Bank and implemented by the Higher Education Commission (HEC). The LCF is anticipated to support research projects that address locally relevant socio-economic issues and may also address topics associated with the Sustainable Development Goals (SDGs).

04

The Technology Transfer Support Fund (TTSF) is a key element of the Higher Education Development in Pakistan Project supported by the World Bank and implemented by the Higher Education Commission (HEC). The TTSF is anticipated to support promising partnerships between academia and industry to facilitate the transfer of university developed technological research to industry and the commercial sector.

13

The CPEC- Collaborative Research Grant (CPEC – CRG) is one of the key components of recently launched HEC initiative namely "Academic Collaboration under CPEC Consortium of Universities". The overall objective of the said project is to understand and respond to the historic global geo-strategic and geo-economic transition and its impact on the region in general and Pakistan in particular, keeping in the view the broad Chinese Belt and Road Initiative and its Pakistan-specific component – CPEC. Of the 13 proposals submitted in this grant, one proposal was approved for funding, worth USD 313,000.

Faculty Capacity Building:

ORIC director and Managers are actively involved in capacity building exercise of researchers and faculty members and as part of the initiative conducted an extensive training for nominated faculty ORIC representatives. Topics related to IP & legal services, business and startup management, research grant management, and ORIC policies were covered in the training.





ENGR. ABUL KALAM LIBRARY

Number of Books in Library

109,127



E Journals libraries through HEC
Digital Library Access

10



E-books

217,000+



Research Paper Downloads

260,401



Hardcopy Journal titles

764



Hardcopy holdings

29,137



Library Members

10,419



Students trained on library
services and tools

1000+



QUALITY ASSURANCE

ISO 9000 certified since 2002

Successfully transformed to ISO 9001:2015 standard

QEC cells have been established in all affiliated colleges and TIEST

QEC in "W" Category with **96.17%** score in 2021

15

Seminars and
Training
conducted

590

Number of
participants



Quality Assurance

For the quality assurance and continuous improvements in higher education in NED University, Quality Management Cell (QMC) was established in 1999. The core objective of QMC was to develop and implement state-of-the-art Quality Management System at NED University. QMC successfully established quality management system and acquired ISO 9000 certification in year 2002. Later on, in 2012, with the initiative of Higher Education Commissions (HEC) of Pakistan, NED University strengthen the QMC and established Quality Enhancement Cell (QEC) to equip the university with modern tools and techniques of quality assurance as per guidelines of HEC. Later on, QMC and QEC were combined to form a synergetic and focused department. Since then, amongst the top QECs of the country, NED-QEC has been instrumental in assuring quality in higher education within its campuses and affiliated colleges. With the advent of QAA in recent years, QEC NED has coordinated with HEC with the spirit of continual improvement. The following are major highlights from 2021-22.

QEC Ranking

Quality Assurance Agency (QAA) of the HEC assesses the progress of the Quality Enhancement Cells (QECs) of all Universities through a quantitative 'Scorecard System' based upon their performance and participation in quality-related processes. Since last five years, NED QEC stands in highest category of HEC, which is "W" category. During the reporting period, NED QEC achieved score of 96.17% with a placement in 'W' Category.

Memberships and Affiliations

NED QEC is partner member of three international and one national Quality Assurance Networks, whereas the QEC is the part of governing body of PNQAHEE. Following are the QA networks:

- Asia-Pacific Quality Network (APQN)
- The Talloires Network
- International Network for Quality Assurance in Higher Education (INQAAHE)
- Pakistan Network of Quality Assurance in Higher Education (PNQAHE)

Research in Quality Assurance

- NED QEC is actively patiating to conduct research in the field of quality assurance in higher education. Director and Deputy Directors QEC participated in national and international conferences and presented their research. One publication of the QEC is also published in an international journal.
- Dr. Tufail, PVC NED; and Dr. Shaikh, Director QEC shall be visiting Mexico to attend 13th Biennial INQAAHE Forum 2022 from June 4th – 11th 2022.
- NED Leadership including Dr. Lodi, VC NED; Dr. Shaikh, Director QEC; and Dr. Wasif, Dy. Director QEC shall be visiting Spain to attend 8th International Conference on Higher Education Advances (HEAd'22) from June 13th – 18th, 2022.

Faculty and Staff Training

Annual Faculty Development Programme (FDP) of 36 hours training was organized for the newly appointed lecturers and the refreshers from various departments. FDP was held between 04th January to 1st February 2022. Ten Master Trainers provided the diversified trainings related to Effective Teaching Methodologies, Quality Management System (QMS), Effective Research Methodologies, Writing Research Proposal etc. Other than these training, total 15 on campus and 7 training at TIEST were conducted and an overall of 590 faculty members, officers and staff of the university were trained.

Self-Assessments of Academic Programmes

To assure the quality in higher education institutes, self-assessment is an important tool that provides feedback for faculty and administration for continual improvements. As per the HEC directives, third assessment cycle of 20 PhD programs has been completed; Follow-ups of PhD, Master and BS Programs are in progress.

Internal and Surveillance Audits

Internal and Surveillance audits were arranged by the QEC on 04th–05th October 2021 and 20th–21st October 2021 respectively. Internal and external auditors reported the “satisfactory” status of quality management system in NED University.

Feature activities of QEC

Some of the feature activities of NED QEC are:



Organized International Conference on Future Trends of Quality Assurance in Higher Education 2022 from 16th – 17th May 2022.



The Institutional performance evaluation (IPE) conducted at NED University from 29th to 31st March 2022.



Masters PhD Review conducted at NED University on 1st April 2022.



Conducted several trainings for “Faculty Development Program” from 4th January to 1st February 2022.



Strengthening Internal Quality Assurance, Progress Review Meeting & Training for Quality Enhancement Cells, Organized by Quality Assurance Agency, HEC Islamabad in Collaboration with NED University, on 3rd – 5th February 2022.



Visit/Inspection of NED University by Charter Inspection and Evaluation Committee (CIEC), Sindh HEC, Government of Sindh on 7th February 2022.



Conducted a Seminar on Implementation of Modern Tools & Methodologies for QA in HEIs on 10th February, 2022.



NED ACADEMY

NED Academy has been the pivotal wing of NED University since over two decades for continuous professional capacity building. NED Academy is registered with Pakistan Engineering Council as Professional Engineering Body (PEB) and hence courses conducted by NED Academy are valid for earning CPD points for engineers. The focus of NED Academy has been “Empowering for Professional Excellence” via continuous offerings of market based globally savvy training programmes ranging in diversity for the energetic youth to professional engineers to middle-tier managers to seasoned top leadership of organizations.

During 2021-22, NED Academy executed/ facilitated in the execution of following streams of courses:

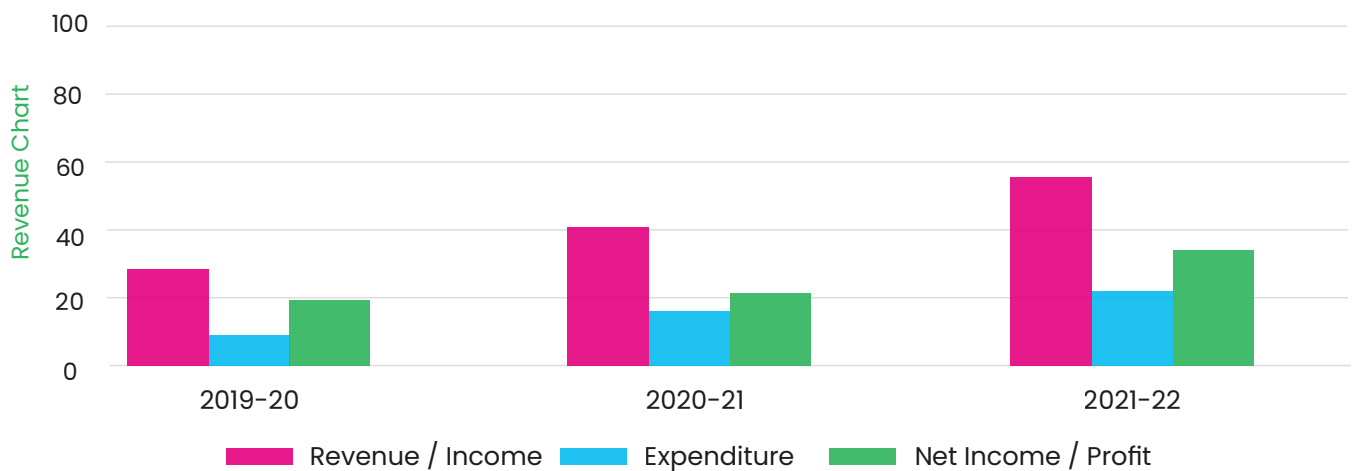
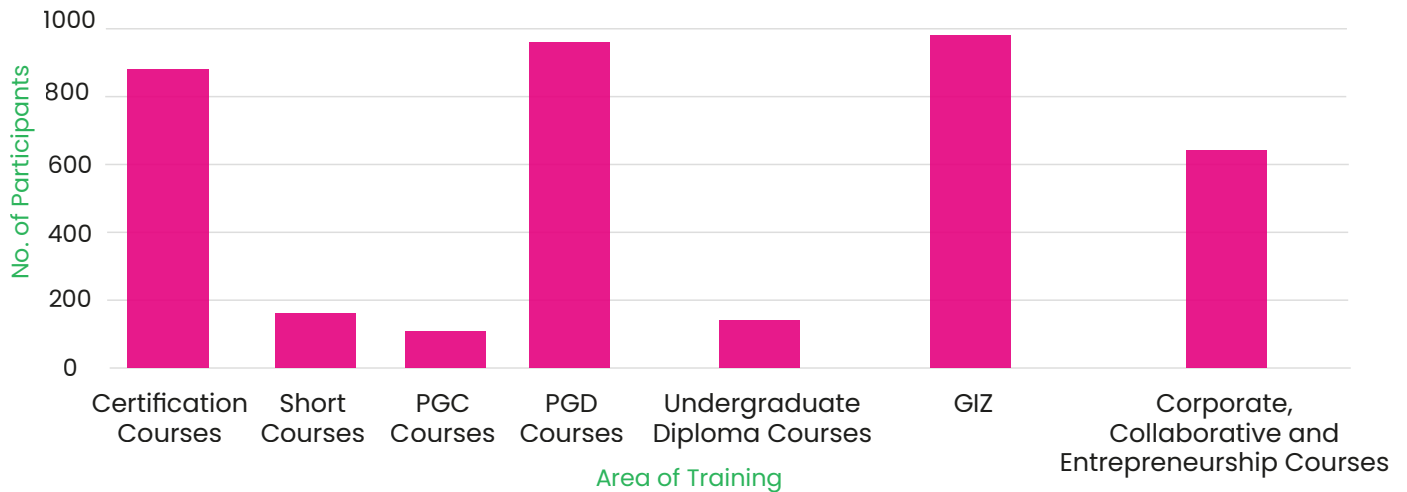
- Professional Short Courses
- Career Enhancement Certifications
- Postgraduate Diploma Programmes (PGD)
- Undergraduate Diploma Programmes
- Postgraduate Certificate Courses (PGCC)
- Corporate Trainings (K-Electric and Pakistan State Oil)
- Vocational Trainings



COVID-19 pandemic spread a big disaster in the whole world. During that pandemic the world Specially the education sector moved towards distance learning / online mode of training. Making that an opportunity, NED ACADEMY now successfully is conducting distance learning and hybrid mode trainings.

New Initiatives

- At the starting of financial year 2021-22, online education system was introduced like many other institutions and capitalized its worth by the time passing on.
- NED Academy introduced two learning modes i.e., Hybrid Mode & Distance Learning Mode by using Google Workspace formerly known as Google G-Suite. The key apps which we are using in our Hybrid Mode and Distance Learning Mode are Google Classroom, Google Drive, Google Forms & Google Calendar.
- Further increasing the circle of the Prime Minister’s “Digital Pakistan Vision”, online National Freelance Training Program (NFTP) started in collaboration with Punjab Information Technology Board (PITB) supervised by the Ministry of Information & Technology and Telecommunications Government of Pakistan.
- Achieved some progress, seeking the contribution from “Skills Upgradation of teaching Staff through Workplace-based Training Delivery Programme) of GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit), a German development agency that provides services in the field of international development cooperation, on establishing the simulation lab and vocational trainings.
- Virtual Reality Lab has been established with the support of GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit) to help students understand complex concepts.



STATUTORY BODY MEETINGS

NED University pays due regards to holding of statutory meetings on time as per annual calendar. This allows the University functions and monitoring and evaluation processes to remain effectively placed. Each support function of the University is responsible for holding the meetings on time and to perform timely follow ups on action items as part of preparation for the next meeting.

Please find below some of the key statutory body meetings statistics for this year:

Statutory Bodies	Meeting frequency as per statutes	Held
Senate	01	01*
Syndicate	04	04+02+=06
Academic Council	04	04+01+=05
Board of Faculties (BOF) of various Faculties	As per available agenda	03 to 06
Advanced Studies and Research Board (ASRB)	04	04+01+=05
Finance Planning Committee (FPC)	04	04
University Development Working Party (UDWP)	04	04
Affiliation Committee	04	04

* Reporting for 2020-21

+ Emergent Meetings



INFORMATION TECHNOLOGY

The IT Department is responsible for providing, managing and planning all IT services at NED. We locally host complete data centre and private cloud, offering IT services to all campuses. These services include Enterprise Resource Planning software, Learning Management Systems, secured email service and various research journals fully automated management software.

Endeavouring to provide cutting-edge technology solutions for enhancing the teaching methodology and support research. The ITD offers the following services:

- 24 x 7 Network Operations
- Various web-based services (Web, DNS, and email etc.)
- Infrastructure development and enhancement
- Indigenous Software development services
- Complete support and guidance

As the world has transformed during the past year, ITD has addressed the presented challenges with confidence and high commitment. There are several highlights of the year – some are presented below:

GSUITE for Education

NED has acquired a subscription for Google's cloud-based productivity, collaboration services and tools for businesses and Educational Institutions, offering feature packed application suite with humongous limits. Some features are 1) Institution-wide email through Gmail, 2) Shared calendars, 3) Classroom collaboration with Google Classroom, 4) Video and voice conferencing, 5) Unlimited cloud storage, 6) Documents, spread sheets, presentations, and forms, 7) Easy to create sites, and 8) 24/7 support by phone, email, and online.

Smart University Wi-Fi with EDUROAM

The Main and LEJ campuses of NED have blanket Wi-Fi coverage under the HEC's Smart University Project, which is further being extended to City Campus. Facilitated by EDUROAM service users can access with same credential through all member institutions.

PERN

The PERN connectivity and bandwidth has been further enhanced this year with whopping speeds at all three campuses as well Tiest as under:

Links	Speeds
Main Campus	653 Mbps (PERN: 160 Mbps, Smart University: 493 Mbps)
LEJ Campus	51 Mbps (PERN: 20 Mbps, Smart University: 31 Mbps)
City Campus	20 Mbps
Tiest	50 Mbps
Total Bandwidth	774 Mbps

Convocation 2021

The IT Department administered for the online streaming of the convocation proceedings which was attended by the faculty and students. It was also streamed online.



Smart Classroom

Smart classrooms have been built with the collaboration with HEC in the Department of Civil Engineering and TIEST in an effort to transform the teaching methodology with distant learning focussing on each individual student.

Hybrid Conferences

Throughout the year, IT Department extended support to various international conferences and other events have been organized which were participated online by scholars and speaker. The events were also streamed online.

Support beyond University

- As part of responsibility of playing its role in implementation and improving quality of digital services like other fronts IT dept officials have participated in various procurement, audit and evaluation committees at various platforms.
- The DIT has been nominated as honorary advisor to Federal Secretary TDAP. The task is complete digitization of TDAP so that Pakistan's import export and trading system improves for the betterment of Pakistan's economy.
- IT Department is developing a portal for Sindh's University and Boards Department. The purpose of this portal is to collect and display critical strategic data pertaining to all universities.



MEDICAL CENTRE

The Medical Department plays an active role in ensuring the medical wellbeing of University's work force and its students. Following are some of the interesting statistics from this year:

- Medical department has been continuously providing COVID-19 vaccination services to students/employees and their dependents, since 18th May 2021 to date.

5,884

Total number of Vaccinated individuals so far.

- Since 23rd December 2021 booster/extra doses of vaccines i.e., Pfizer, Moderna, Astrazeneca and Sinovac are also being administered, as provided to us by the town health office from time to time.

255

Total number of individuals received booster doses so far.

763

Number of students have been treated in O.P.D. inclusive of patients of both peripheral medical sub-centres at LEJ and City campuses.

2,356

Number of employees and their dependents have been treated in O.P.D. inclusive of patients of both peripheral sub centres at LEJ and City campuses.

749

Number of employees and their dependents received inpatient treatment at both direct panel / enlisted reimbursement hospitals.

- Several diagnostic tests are also available at the medical centre. Additionally, patients are being counselled for stress reduction / management on time to time and case to case basis during OPD.



NATIONAL INCUBATION CENTRE, KARACHI

The National Incubation Centre Karachi is a Rs. 575 million project which is being operated by LMKT in partnership with NED University. Other partners include, PTCL, Habib Bank Limited and Pakistan Poverty Alleviation Fund, PPAF. The funding for the centre comes through the Ministry of IT&T and Ignite Fund under their National Incubation Center Programme. The NIC in Karachi, aims will empower aspiring Sindh-based entrepreneurs to create high-growth and sustainable impressive statistics:

08

Cohorts
Incubated

197

Startups
Incubated

88

Graduated
Startups

55

Startups
Under Incubation

3.2
Billion

Revenue
Generated

4.4
Billion

Investment
Raised

94+
Thousand

Jobs
Created



Courtney Powell (COO, 500 Global) joined NICK Project Director for a Fireside Chat on 7th November 2021.



Global Partner Investments at Antler, Teddy Himler visited the NICK facility on 2nd December 2021.



On 21st January 2022
The NICK team was joined by Robin Butler (Partner & Head of Impact at Sturgeon Capital) for a Fireside Chat on "Investment Opportunities in Pakistan"



Sadia Shakil, founder of Axtrion, & German Consul General for Karachi, Holger Ziegler joined the NICK community for a session on 'Industry 4.0' on 2nd March 2022.



Christian Testot (Consul General of France), Luc Boyer (Deputy Head, Economic Department French Embassy), and Gregoire Brault (Director, Alliance Francaise) visited the facility meeting with the NICK team and select startups on 17th March 2022

OUTREACH AND NETWORKING



COLLABORATIONS AND LINKAGES

1.	NED and Pakistan Cables Limited signed MOU to jointly work for the promotion of research and development.
2.	Agreement between NED University and Alternative Energy Development Board (AEDB) took place on 29 th August 2021.
3.	A working agreement between NED University and Pakistan Post was signed.
4.	MoU between NED University and Bank Alfalah was inked to launch Credit Card Payment Gateway system on 9 th September 2021.
5.	MoU between Confucius Institute, University of Karachi and NED University was signed to continue operating Chinese Language Compulsory Program in October 2021.
6.	MoU between NED University and U-Tech Digital Education was signed to promote STEM among school going children. The MoU was signed on 15 th October 2021.
7.	Universitas Sumatera Utara and NED University signed MoU on 12 th November 2021 to collaborate on higher education learning, mobility, and research.
8.	NED University and Byco Petroleum Pakistan signed MOU on 1 st December 2021 that will lead the academic industry linkage towards greater heights.
9.	An MoU between NED University and Pakistan Institute of Labour Education & Research, Karachi was signed on 17 th December 2021.
10.	An MoU was signed between NED University and Pakistan Machine Tool Factory in the area of technology incubation.
11.	The Asia Foundation, Islamabad signed MoU on 1 st December 2021 to promote entrepreneurial activities for female graduates.
12.	NED University and AKD Group Holdings (Pvt.) Ltd. entered into an agreement to jointly work towards the promotion of technology incubation and commercialization on 10 th January 2022.
13.	NED University signs MoU with Anjuman-e-Taraqqi Urdu Pakistan to embark on Project: "Bringing Urdu in Digital Age" in February 2022.
14.	Mind Storms Studios signed MoU with NED University in February 2022 to promote Game development in Pakistan.
15.	An MoU was signed on 9 th February 2022 between NED University of Engineering & Technology, Karachi and Sivas University of Science and Technology, Turkey.
16.	NED University and H.H. Nizam Din & Sons (Pvt) Ltd entered a MoU signed on 16 th February 2022.
17.	Chongqing Industry Polytechnic College, China and NED signed MoU to collaborate on promotion of international exchange on 7 th March 2022.
18.	Nunami Systems (Pvt) Ltd. and NED University entered an agreement to work on IC design as part of the soft launch of NED Technology Park initiative on 1 st March 2022.
19.	A MoU between NED University and Saman-e-Shifa Foundation, Pakistan was signed for academic cooperation in March 2022.
20.	Aviation City Pakistan (Pvt) Ltd signed a MoU with NED University in April 2022 to build capacity in Aerospace Design Research and Development.

PROMINENT VISITORS

- Faizan Mansoor, Chairman Pakistan Nuclear Regulatory Authority visited NED University to discuss potential collaborations with the University leadership.
- On 2nd July 2021, Air Marshal Ahmad Hassan, HI(M), Deputy Chief of the Air Staff (Engineering) visited NED University along with the Pakistan Airforce delegation to discuss technical cooperation with the University leadership.
- Brigadier Syed Vaqar Haider Rizvi, Commander Anti-Narcotics Force Sindh visited NED University on 7th September 2021 for an awareness and prevention session.



- On 8th November 2021, Dr. Hiroshi Jogasaki, JICA Technical Adviser visited the University ICT related research centres and the National Incubation Centre. He also met with the University leadership to explore collaboration avenues mutually beneficial to Pakistan and Japan.
- On 24th November 2021, the first secretary of the Embassy of Belgium, Mr. Sylvain Vanrie along with trade commissioner Belgium visited NED University in connection with the project progress of the Fire lab.



- Governor of Sindh, Mr. Imran Ismail; Chief Minister Sindh, Syed Murad Ali Shah; Provincial Minister of Sindh for Universities & Boards, Mr. Muhammad Ismail Rahoo; Chairman, Pakistan Engineering Council, Engr. Najeeb Haroon; Chairman of the Dawood Hercules Corporation, Engro Corporation, The Dawood Foundation and the Karachi School of Business & Leadership, Mr. Hussain Dawood visited NED University on 27th November 2021 at the occasion of the Convocation 2021.

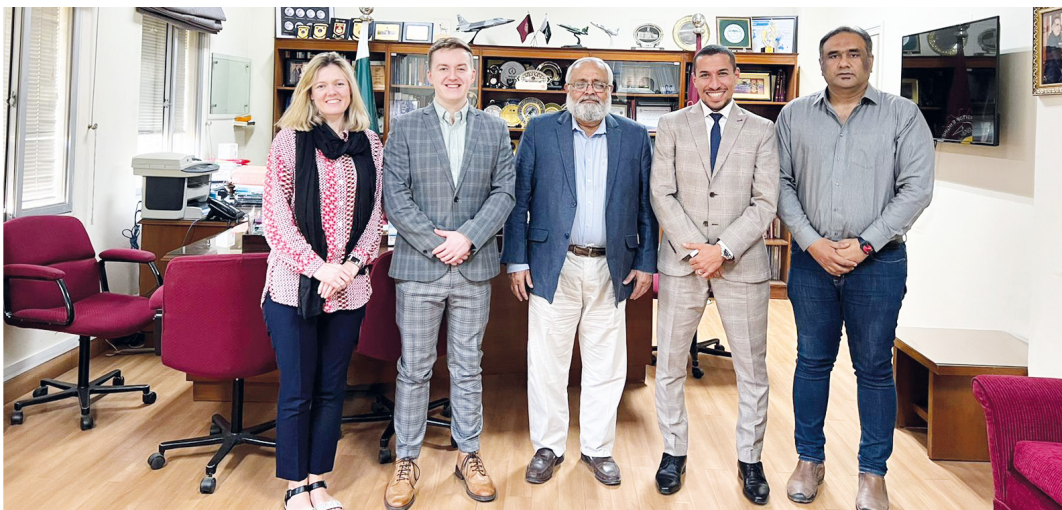
- On 10th January 2021, Dr. Masoom Yasinzai, Rector International Islamic University Islamabad visited NED University to discuss potential areas of collaboration in learning and research.
- On 11th January, Mr. Asim Shahryar Husain – Ignite CEO visited NED University and met with the University leadership for discussing areas of mutual interest and collaboration.



- Sadia Shakil, founder of Axtrion, and German Consul General for Karachi, Holger Ziegler joined the NICK community for a session on 'Industry 4.0' on 2nd March 2022.



- Mr. Tauseef Hasan Farooqi, Chairman NEPRA visited the NED University on 11th of March 2022; met with the University leadership and also delivered a key note address to faculty members, researchers and students.



- On 12th March 2022, a delegation of University of Nottingham led by Dr. Mohamed Elmaghrbi visited NED University and met the leadership to discuss future areas of cooperation including Exchange Programs.



- On 17th March 2022, Christian Testot (Consul General of France), Luc Boyer (Deputy Head, Economic Department French Embassy), and Gregoire Brault (Director, Alliance Francaise) visited the National Incubation Centre and conducted meeting with the NICK team and select startups.
- Mr. Nasir Rizwan Hashmi, CEO AKD Group Holdings Ltd., met with the Vice Chancellor NED University on 18th March 2022 to discuss matters of mutual interest including technology incubation.
- On 25th March 2022, Dr. Salman Azhar, William A. Hunt Endowed Professor at Auburn University, USA visited NED University to meet and explore potential areas of collaborations.



- On 31st March 2022, Honourable Turkish Consul General, Mr. Cemal Sangu visited NED University to attend the inauguration of Turkish language classes at NED University.
- Mr. Steffen Kaeser, Division Chief, United Nations Industrial Development Organization, along with Mr. Nima Bahramalian, Industrial Development Expert at UNIDO paid visit to NED University on 31st March 2022 to conduct technical discussions with the Vice-Chancellor.
- On 9th April 2022, a delegate of Algoma University, Canada led by the Vice-Chancellor, Asima Vezina visited and met with NED University leadership to discuss areas of potential collaborations.



UNIVERSITY ADVANCEMENT AND FINANCIAL ASSISTANCE

UAFA was established in NED University in year 2014 in compliance with directives of Higher Education Commission (HEC) for promoting the importance of higher education in boosting economy, integrating different stakeholders of the university for advancing in the research and development, academic excellence, giving back to the nation in the form of community services through engagement of faculty and students, and much more.

Launch of Campus based Students' Newspaper

The directorate of UAFA arranged to published first ever campus-based students' newspaper "NEDian" in September 2021. More than 12 faculty members and over sixty undergraduate students participated in different phases of work. Content writing and layout, as well as all related tasks were managed by UAFA office. The newspaper can be accessed via the link: https://uafa.neduet.edu.pk/NEDian_News.html



Nomination of Best Final Year Projects (FYPs) Year-2021

The academic departments along with the coordination of the directorate of UAFA have identified the best final year projects of their respective departments. The ideas of the projects revolve around the cutting-edge technologies, social sciences, humanities, engineering solutions, financial management, and engineering sciences. Besides, these projects aim to address wide range of social and economic issues. Each of the project has also intended to target a particular Sustainable Development Goal (SDGs) within its scope. These projects would have long term effects on the sustainable growth of the region in several areas. The projects can be accessed via the following link: https://uafa.neduet.edu.pk/FYP_Projects_2021.html

Celebrating the Days of National Importance



i. Symposium on Kashmir Day:

NED University, to show solidarity with the oppressed people of Kashmir and to commemorate long term struggle of Kashmiri peoples, arranged a hybrid symposium "Understanding the Kashmir Challenge" on Friday, February 4th, 2022, which was managed by UAFA. Lt. Gen. (R) Moin Uddin Haider, Ex - Governor Sindh, & Former Interior Minister Government of Pakistan, Ms. Tehmina Janjua, Seasoned Diplomat, Former Federal Secretary, Foreign Affairs, Government of Pakistan and Dr. Huma Baqai, Associate Professor – Social Sciences, IBA Karachi were guest of honours.

ii. Symposium on Pakistan Day

In keeping with its tradition of commemorating important days of national significance, NED University arranged a Symposium titled “Lahore Resolution 1940” on 22nd March 2022 which was attended by Chairpersons, Head of Departments, faculty members and a large number of students. Top intellectuals, politicians and academicians, including Senator (R) Mr. Javed Jabbar, Prof. (R) Muhammad Reza Kazimi and Prof. Dr. Moonis Ahmar expressed their views



THE NED Experience – Centennial Volume

As an initiative to recognize the contributions of the alumni in the global economies, their experience about the university during their study period and memories, the centennial volume of the ‘The NED Experience’ has been launched in February 2022. The magazine has got immense popularity in the circle of the alumni. The magazine can be accessed via the link: https://uafa.neduet.edu.pk/NED_Experience.html

NED Alumni Network & Alumni Engagement

The office of UAFA has been actively engaged in facilitating alumni and is in close contact with them. Alumni used to access this office for issuance of degree, transcript, recommendation letters and other necessary documents for which they have been supported. Also, the Alumni associations access this office to have messages for their events from the university management. Besides, alumni are greeted with wishes (birthday, Eid, Independence, etc.) and communicated periodic updates about the university via email. The current status of alumni membership stands at:



Lifetime Memberships



Associate Memberships



Friends of NED

ALUMNI AND PHILANTHROPIC SUPPORT

Individual alumni as well as NED Alumni Associations have offered to support university in development of various domains and several offered scholarships to the students for which they were directly engaged with the Controller Student Affairs of the University.

70 KW Solar Power Project has been installed at the Department of Mechanical Engineering in Feb 2022 through a valuable donation of Engr. Ashraf Habibullah, worth USD 50,000. This is an addition to an earlier gift of 36 KW Solar Power Project which was installed at the Department of Electrical Engineering in Feb 2021 worth USD 20,000.

NED Alumni Associated of Southern California (NEDAASC) continues to support the University's Final Year Projects, Scholarships and Awards for learning and research. This year, awards worth USD 17,000 were disbursed by NEDAASC.

A Smart Classroom has been established at the new academic block of the Department of Computer and Information Systems Engineering, through a valuable donation of USD 10,000 from NED Alif.

Mr. Shahid Rauf, a well-known philanthropist donated for the construction of the academic block for the Department of Economics and Finance worth Rs. 28 million. The work is in its completion stages.

International Industries Limited (IIL), Pakistan's leading manufacturer and exporter of steel, stainless steel and polymer pipes & fittings donated Rs. 5 million for the uplifting and renovation of Abul Kalam Library reading space as per international standards.

The renovation of the historic boiler room and chimney of the old NED Campus sponsored by the NED International Alumni Network (NEDIAN) has been completed. The donation was worth Rs. 8 million.

The work on installation of 100 KW Solar Power Plant for Abul Kalam Library is currently in full swing. This project is donated by Engro Energy Limited (EEL) and the NED University acknowledges the invaluable support of Mr. Ahsan Zafar, CEO EEL, who is also an alumnus of this University.

Seven Urban Forests have been established in this financial year through the generous contributions by Col. Zafar Uddin Ahmed, Chotani group and NEDIAN-NA.

Searle Group donated state-of-the-art workstations for the computer lab of the Department of Urban and Infrastructure Engineering.



UNIVERSITY SOCIAL RESPONSIBILITY

NED University while realizing its role of contributing towards the society – in addition to imparting quality education along with inculcating high ethics to the students – has continued its activities of previous years. More activities were also initiated this year under the domain of USR. Glimpses of few such activities being undertaken are described below:



In collaboration with British Council and the Cardiff University; NED University is engaging with several minority communities in Karachi to explore the illustrious yet invisible diversity of the City of Lights



Through the Digital Independence initiative in collaboration with Thar Foundation, NED University is empowering young children of Tharparkar district to become technology entrepreneurs with a fine blend of physical and digital skills.



NED University has declared each Friday as Healthy Friday. With no vehicles allowed within campus; walking and bicycling is encouraged to commute. Prominent figures have joined NED University during healthy Fridays.



NED University hosted the Pakistan day grand flag hoisting ceremony in collaboration with Pakistan Rangers. The ceremony was warmly attended by dozens of schools, colleges, universities and various social and religious sectors; and served as a prominent show of national unity.



To help build a sense of responsible citizenship among faculty and students, the Department of Economics and Finance organized the Ramadan Iftar and Roshan Drive this year.



Department of Textile Engineering of the NED University provided mentoring support to Faculty of Engineering and Technology at Sindh University Jamshoro related to OBE practices and system implementation.



Department of Architecture and Planning of NED University helped envisage eco-tourism in Manora island and sustainable development in collaboration with Cantonment Board Manora.



As part of STEM engagements, children from dozens of schools of Karachi participated in skill development sessions and visited research centres and laboratories at NED University.



The University has continued plying its shuttle service for the students with its portion of the expenses met under USR programme.



Two dedicated shuttles arranged in collaboration with Institution of Engineers, Pakistan, Karachi Centre ply within campus for facilitating the students and making their within-campus mobility comfortable.



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.



Wastewater treatment plant at NED University is being fully utilized for the treatment of complete wastewater produced within the University and its colony with its effluent being used for watering the greens paces of the University.

Additionally, the University recycles the NED mosque's ablution water for the green areas around the mosque. The University plans to expand this facility in future to augment for the increase in water requirements owing to growing green spaces.



The 'Daycare Centre' is facilitating the female university employees. The existing centre will be upgraded as part of Engro Energy support.



More than 200 students are enrolled in 'Cawasjee School' established under NED University USR+ programme. The employees' children studying in this school are being charged a very nominal fee.



The shuttle for pick and drop of the University employees' children to their schools has continuously provided its services. A very nominal fee is being charged to the parents for this service.



NED University continued planting trees of various species, in campus, taking the total count to over 8,500. This year plantation drive extended to various schools of Karachi as well through the support of Col. Zafar Uddin Ahmed.



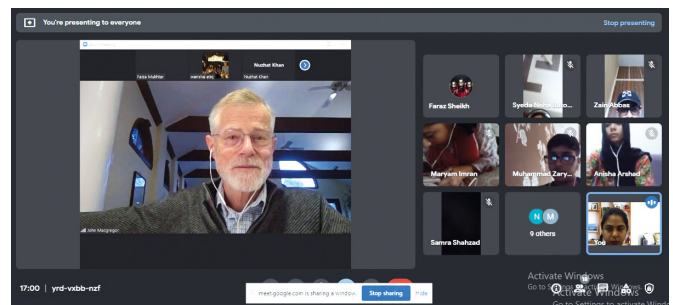
SPECIAL MENTIONS

PAKISTAN ENGLISH ACCESS MICRO-SCHOLARSHIP PROGRAM

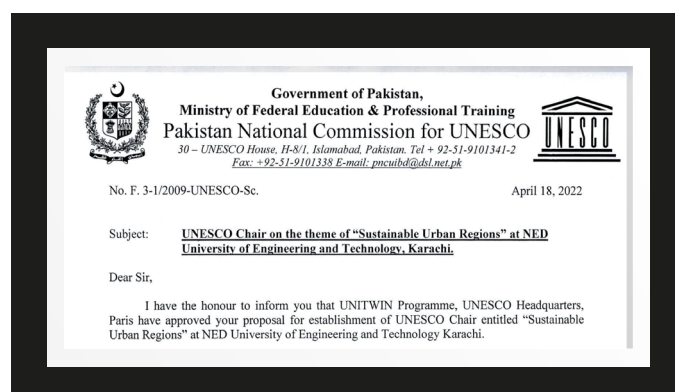
Under a project of its kind, worth More than USD 250,000, three hundred students from underserved communities enrolled in government or non-elite schools between ages 12-14 and comprising equal distribution of gender i.e., 150 girls and 150 boys are being provided 420 hours of classroom instruction focusing English Language and Communication Skills, Digital Literacy, and Global Citizenship Education.

Fifteen groups of students, with each group comprising 20 students is receiving an exceptional education experience characterized by learner-centered, communicative and activity-based approach with celebration and appreciation of self and others, cultures, 21st century values, international days, and a sense of serving communities.

The project directly focuses on working towards SDGs 4, 5, 8, 10, 11, 12, 16 and 17. A team of fifteen teachers, five substitute teachers, four teaching assistants, one academic coordinator, one program officer, one finance officer, and three office staff have been inducted under Project Lead Prof. Dr. Sajida Zaki for implementing the 6,300 hours of Project Instruction and Co-Curricular activities during the two years of this project.



AWARD OF UNESCO CHAIR IN SUSTAINABLE URBAN REGIONS



UNITWIN Programme, UNESCO Headquarters, Paris has approved the establishment of UNESCO Chair on "Sustainable Urban Regions" at NED University. This will serve as a stimulus for academic mobility and the rapid transfer of knowledge through twinning, networking, and other linking arrangements. The purpose of the Chair is to promote an integrated system of research, training, information, and documentation on sustainable urban regions. It will facilitate collaboration between high-level, internationally recognized researchers and teaching staff of the University and other institutions in Pakistan, as well as elsewhere in Asia, Europe, and in other regions of the world. Prof. Dr. Noman Ahmed, Dean Faculty of Architecture and Management Sciences is leading the efforts for the establishment of the Chair.

LAUNCH OF BACHELOR OF CIVIL ENGINEERING PROGRAMME AT TIEST

Under a project of its kind, worth More than USD 250,000, three hundred students from underserved communities enrolled in government or non-elite schools between ages 12-14 and comprising equal distribution of gender i.e., 150 girls and 150 boys are being provided 420 hours of classroom instruction focusing English Language and Communication Skills, Digital Literacy, and Global Citizenship Education.

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CENTENNIAL COIN AND STAMP UNVEILING AT THE CITY CAMPUS



Launch ceremony of Centennial Year and 100th Anniversary of Foundation Day of NED University was held on a Sunday evening, 29th August 2021 at NED University of Engineering & Technology City Campus. At the occasion, Chief Minister of Sindh, Syed Murad Ali Shah, also an alumnus of NED University unveiled the Commemorative Coin and Postage Stamp. At this occasion senior representatives of the government society and academia were also presented with the stamps and coins souvenirs. The stamp carries the winning design of the stamp competition held in 2021 depicting all four campus sites of the NED University. The winning theme was conceived by Muhammad Ahmed Qazi, a student at the Benchmark school, while the graphic design was carried out by Syed Muhammad Zahid, at Department of Electrical Engineering.

INAUGURATION OF FLOODLIT CRICKET GROUND

Under a project of its kind, worth More than USD 250,000, three hundred students from underserved communities enrolled in government or non-elite schools between ages 12-14 and comprising equal distribution of gender i.e., 150 girls and 150 boys are being provided 420 hours of classroom instruction focusing English Language and Communication Skills, Digital Literacy, and Global Citizenship Education.

Fifteen groups of students, with each group comprising 20 students is receiving an exceptional education experience characterized by learner-centered, communicative and activity-based approach with celebration and appreciation of self and others, cultures, 21st century values, international days, and a sense of serving communities.

The project directly focuses on working towards SDGS 4, 5, 8, 10, 11, 12, 16 and 17. A team of fifteen teachers, five substitute teachers, four teaching assistants, one academic coordinator, one program officer, one finance officer, and three office staff have been inducted under Project Lead Prof. Dr. Sajida Zaki for implementing the 6,300 hours of Project Instruction and Co-Curricular activities during the two years of this project.



GROUNDBREAKING OF KARACHI SOCCER CITY



A 10-year agreement worth \$12 million has been inked between NED and GSV to establish Pakistan's first ever soccer city stadium at NED University. The stadium is the first-of-its-kind stadium, which will not only offer FIFA international playing conditions but will also offer an enduring football experience for fans and players with a raft of marketing and technology opportunities for brands.

Former English footballer Michael Owen, who is also the ambassador of the Pakistan Football League, while visiting NED University for a groundbreaking ceremony of the soccer city said there is nothing more important than having home and away fans in football stadiums. Owen said that the proposed plan fills him with excitement.

LAUNCH OF PAYMENT GATEWAY

NED University has launched an international & local credit and debit card-based payment gateway system for instantaneous payment handling and extending support to its faculty, students and alumni. The service is available for all VISA and MASTER credit and debit card holders globally. Every payment gets instantaneous confirmation.



TURKISH LANGUAGE PROGRAM

Inauguration of Turkish Language classes at NED University is a standout feature this year, as the University looks to upscale its graduate's international outlook. Currently about 250+ students are enrolled in the language classes. The language classes were inaugurated by the Turkish Consul General in Karachi Mr. Cemal Sangu. The venture is projected to strengthen the relation, cultural and educational exchanges between Pakistan and Turkey.



NED TECHNOLOGY PARK

NED University Technology Park concept is getting closer to reality. The Sindh cabinet has in May 2022 has approved the Technical and Financial Evaluation Committee of the NED Technology Park project to initiate the international competitive bidding process. It also granted permission for NED University to apply and get the status of Special Technology Zone (STZ) from the federal government. Earlier in the year 2021, Vice-Chancellor presented the NED Tech Park concept to international investors at Dubai Expo.



ESTABLISHMENT OF IC DESIGN CENTRES

As part of soft launch of Technology Park, two IC Design Centres have established their labs and offices at NED University in collaboration with Neurocomputation Lab, NCAI. Dreambig (Pvt) Ltd. and Nunami Systems (Pvt) Ltd are hi-tech companies specializing in IC and electronic design. Both have their parent organizations in the Silicon Valley. Their presence at NED University open tremendous opportunities for NED University faculty, researchers, and students in terms of learning and research. Through the available internship and cooperative educations programmes, students will have life-time opportunities to have hands-on industrial experience along with research opportunity right at the campus. The setting up of design centres also showcases the confidence hi-tech companies have in the faculty, students and research infrastructure of the NED University.



NED INTERNATIONAL ALUMNI CONVENTION

NED University is celebrating its centennial year of existence, and as part of this festive NED International Alumni Network is organizing a three-day Convention on 9th, 10th and 11th of June 2021. The event is expected to attract alumni from all over the world and tremendous interest is being observed among the potential participants. The diverse range of events over the three days span on all campuses.



UNIVERSITY FINANCES AND KPIs

FINAL DEMAND BUDGET ESTIMATES (2021-22)

(IN PKR MILLIONS)

No.	Particulars	Recurring	Recurring TIEST	Self Finance	UDWP	Research	CCEE
1.	Total Receipts	3,511.894	433.108	374.722	157.117	412.755	86.500
2.	Total Payments	3,528.576	274.482	374.722	155.720	404.220	85.000
3.	Closing Balance	(16.682)	158.626	-	1.397	8.535	1.500
4.	Payment of various heads likey to be deferred	17.800	-	-	-	-	-
5.	Net Closing Balance	1.118	158.626	-	1.397	8.535	1.500

DEVELOPMENT PROJECTS

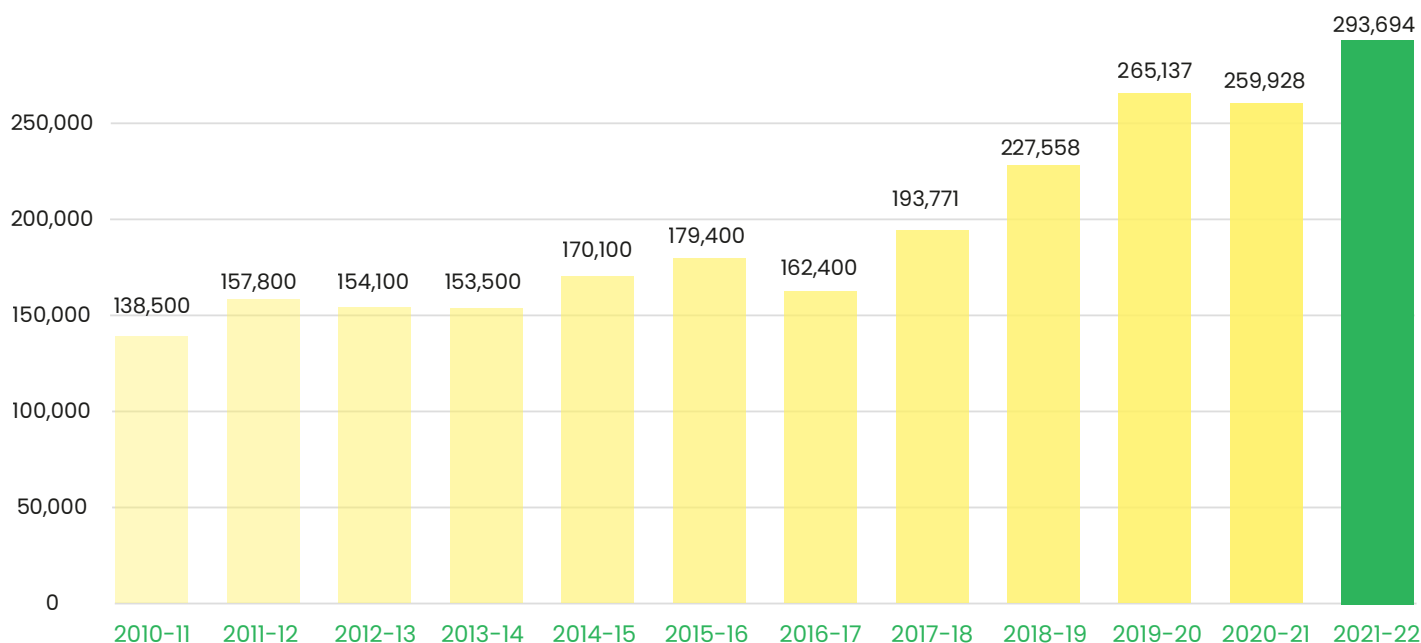
Name of Project	PC-1 Provision	Releases up to 30.03.22	Amount Utilized up to 30.03.22	Expected Date of Completion
Establishment of 21st Century Water Institute (PSDP 2021-22)	470.000	248.000	248.000	December 2022
Development of Department of Food Engineering & Infrastructure (ADP Project)	327.343	123.225	123.225	December 2022
Establishment of Kamyab Jawan Sports Academies (High Performance & Resource Centers) and Youth Olympics – HEC (PSDP 2021-22) (Umbrella Project of HEC)	201.450	10.000	Nil	December 2023
Construction of Girls Hostel at NED University (ADP Project)	92.000	Nil	Nil	June 2024
Establishment of Thar Institute of Engineering, Sciences and Technology, at Mithi, Tharparkar (ADP Project)	1641.809	80.736	60.903	June 2024
Enhancement of Academic facilities at NED University (PSDP 2022-23)	1537.345	Nil	Nil	June 2025

NED UNIVERSITY FUNDS

as on 24-05-2022

S.No.	Name of Fund	Total in Million (PKR)
1.	NED University Endowment Fund	2,707.456
2.	MoST Endowment Fund	346.204
3.	Oman IT Chair Fund	251.144
4.	Rafeeqi Endowment Fund	6.800
5.	Pension Fund	1943.050
6.	G.P. Fund	709.664
7.	Benevolent Fund	134.748
8.	Research Fund	227.081
9.	UDWP	269.000
Total		6,595.147

COST PER STUDENT



KEY INDICATORS

S.No.	Key Ratios	2020-2021	2021-2022	2022-23 (Planned)
1.	Faculty : Staff Ratio	1 : 3	1 : 2.9	1 : 2.7
2.	Faculty : Student Ratio	1 : 22	1 : 22	1 : 20
3.	Self-Generated Income as % of total Resources	51%	52%	55%
4.	Self-Generated Income as % of total Expenditures	51%	47%	47%
5.	Recurring Grant as % of total Expenditures	40%	31%	34%
6.	Students Fees as % of Cost per student	40%	34%	34%
7.	Salary as % of Total Expenditure	74%	69%	69%
8.	Non-Salary as % of Total Expenditure	26%	31%	31%

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