

FOREWORD

Greetings and a warm welcome to NED University of Engineering & Technology, a prestigious institution with a rich legacy as one of Pakistan's oldest and most esteemed engineering universities. We are delighted to present this comprehensive University prospectus, providing valuable insights into our institution and the numerous opportunities that await you within its confines.

With a history of over a century in academic excellence, NED University offers a diverse range of degree programmes, encompassing 33 bachelor's degree programmes across various disciplines. Additionally, there are two bachelor's programmes at the Thar Institute of Engineering, Sciences and Technology (TIEST), a constituent college of NED University, where students immerse themselves in applied sciences and engineering.

The University's total student population surpasses 12,000, underscoring the trust and recognition earned for maintaining the highest standards in academic and research pursuits. Our consistent recognition in the Times Impact Ranking, especially in the domains of Industry, Innovation, and Infrastructure, reflects our dedication to sustainable development goals. Furthermore, NED University is positioned among the top 2.5 percent of institutions in Asia, according to the prestigious QS Ranking.

Aligned with our robust Strategic Plan, we aim to elevate the University's ranking further. The pride we take in the achievements of our alumni is substantial, as they have left an indelible mark globally in various professional capacities, influencing engineering, technology, and the economy. Their success underscores the quality of education and training imparted at our esteemed institution.

Degree programmes in cutting-edge disciplines such as Artificial Intelligence, Cybersecurity, Robotics, Data Analysis, Gaming & Animation, and national centers focusing on areas like Virtual Reality, Panjwani Hisar Water Institute, Quantum Technologies, Instrumentation Centre, Fire Lab, and Infectious Disease Modeling equip our graduates with contemporary trends crucial for success in a competitive world. Collaborative state-of-the-art laboratories, developed with industry partners and alumni, provide hands-on experiences aligned with modern engineering practices.

Our robust academia-industry linkage enhances student learning through exposure and demand-driven research. The establishment of the UNESCO Chair in Sustainable Urban Regions signifies international recognition of our quality and prestige. To foster a global perspective, mandatory foreign language learning for all students and mobility programs providing exposure to international universities are integral parts of our educational approach.

Core values of ethics, integrity, and leadership are instilled in our students, shaping them into socially responsible individuals. The NED experience not only enhances technical acumen but also encourages multidisciplinary activities in education, service, and research, nurturing entrepreneurship skills.

Within our friendly, supportive, and diverse environment, we encourage both faculty and students to reach their utmost potential. A merit-based admission process ensures fairness and impartiality, providing deserving individuals with the opportunity to embark on a transformative journey of knowledge and personal growth. Additionally, the University has established merit scholarships from the admission stage till the last semester to support and encourage talented students.

On behalf of the entire NED University community, I extend best wishes to all aspiring students seeking admission to our undergraduate programs. May this prospectus serve as your guide on the path toward a fulfilling and successful future. Best of luck on your journey!

Dr. Sarosh Hashmat Lodi
Vice-Chancellor



VISION

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

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.

This 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 dealings with industry and utilities, attempts are made to maintain standards of integrity as well as quality.





QUALITY ASSURANCE

Quality Enhancement Cell, QEC (previously known as Quality Management Cell) was established at NED University in 1999 with the aim to develop and implement Quality Management System in the University. The cell successfully acquired ISO 9000 certification in the year 2002. Since then, the QEC has been instrumental in assuring quality to its customers, and stakeholders, and has successfully transformed the QMS standards to ISO 9001:2015. With the advent of QAA in recent years, QEC NED has coordinated with HEC with the spirit of continual improvement. In pursuance of QAA-HEC instructions, NED University has successfully established the QECs in all affiliated colleges/ institutes of the University.

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. During the reporting period, QEC-NED has been assigned a score of 97.81% with a placement in 'W' Category.

Main responsibilities of QEC office are;

- *Conducting faculty/employee development through trainings*
- *Correspondence with HEC and other agencies for QEC/University Ranking*
- *Self-Assessment of academic programmes*
- *Quality Assurance in affiliated colleges*
- *Processing HEC NOC for academic all programmes*
- *Masters/PhD Programme Review*
- *Institutional Performance Evaluation (IPE)*
- *News Coverage of events*
- *Internal Quality Audits (IQAs)*
- *Surveillance Audits*
- *Board of Review (University Level/Department Level) Meetings*
- *University Level KPIs*
- *Yearly Quality Objective*
- *Developing and improving Quality Standard Procedures (QSP) and Standard Opening Procedures (SOPs)*
- *Acquiring and analyzing stakeholders' feedback*
- *Customer Complaint Management*



1.1 HISTORICAL BACKGROUND OF THE UNIVERSITY

The NED University of Engineering & Technology, was established in March 1977 under an Act of the Provincial Assembly of Sindh after upgrading of the former NED Government Engineering College, which was set up in 1921. The NED University is thus one of the oldest institutions in Pakistan for teaching and producing Engineering graduates. Prior to this, the D.J. Science College, used to run classes to train subordinates for the Sindh P.W.D., the Municipalities and Local Boards.

On August 29, 1921 College Principal C.S Shahani made a concerted effort to get Engineering Degree classes started to meet demands of Civil Engineers on the project for completion of the Sukkur Barrage. Application to this effect was made to the University of Bombay through the Commissioner of Sindh, who was ex-officio president of Sindh Collegiate Association (a registered society of subscribers for providing higher education in Sindh). The Bombay University, however, rejected the application on the grounds of insufficient finances and insisted on entirely separate buildings and laboratories for the engineering college as a separate institution. After collection of donations from the Puribai and Becharbai Trust, Vishandas Fatehchand Brothers and one huge donation (for that time) of Rs.150,000 from the heirs of Mr. Nadirshaw Edulji Dinshaw, the new college buildings and laboratories were constructed on a separate land. The new college was originally the Prince of Wales Engineering College but later renamed in memory of Nadirshaw Edulji Dinshaw. The NED College was provisionally granted affiliation on 23-05-1923 by the University of Bombay for the First and Second Year courses in Civil Engineering and 78 students were provisionally admitted into first year classes in 1922. Permanent affiliation followed in February 1927.

The first-full time Principal of NED Engineering College was Mr. G.N.Gokhale who joined on 1st July 1923. Prior to this, Rai Sahib Bhupatrai had acted as Honorary Principal. The first professor (and Vice Principal) was Mr. S.B. Jannarkar who, along with Mr. Gokhale, did all the spadework in organizing and equipping the various departments, and ordering the equipment for the Power House, Boiler Room, Hydraulics Laboratory, Engine Room and Machine Shops.

The original NED Engineering College was housed in four blocks of buildings and two sheds. The main block was named as Seth Fatehchand Dewandas Khilnani Hall. The block housing the Power House, Electrical and Hydraulics Laboratories, and Workshops was named after Bai Puribai and Bacharbai. Further additions were made to this block to provide accommodation for the Machine Shop on the ground floor and a (Mechanical) Drawing Hall on the first floor. The fourth block, completed in 1945, contained a Classroom and Clerk's Office on the ground floor and another (Civil) Drawing Hall on the first floor.

Two sheds were also built, one to house the Carpentry and Smithy Shops, and the other, alongside the Electrical Laboratory and Engine Room, to train technicians. The total cost of the buildings was just over Rs. 265,000 and the cost of equipment (including machinery, electrical instruments; models, steam, gas and oil engines; surveying and leveling instruments), books and furniture was just under Rs. 400,000.



The college remained affiliated to the University of Bombay from its inception in 1922 to 1947, after which it was taken over by the Government of Sindh; renamed as NED Government Engineering College and affiliated to the University of Sindh. After establishment of the University of Karachi in 1951, the affiliation of the College was transferred to this University. In 1964, a comprehensive plan was prepared to shift the college from its location in the congested downtown area (where no expansion was possible) to a new site adjoining the University of Karachi. The project was carried out with the assistance of the World Bank which provided Rs.118 millions in two phases and the College was shifted to its new 40 hectares Main Campus in 1975.

On the 1st of March, 1977 the NED Government Engineering College became the NED University of Engineering and Technology. From an enrolment of 50 students in 1923, the student population, at undergraduate, graduate and Ph.D. levels, has now gone more than 12000. The Department of Biomedical Engineering is located at NED LEJ Campus for which the land and building - estimated value Rs. 350 million - was donated by (Late) Latif Ebrahim Jamal, a well-known philanthropist.

The first Vice Chancellor of the University was Mr. A. M. Akhoond who was succeeded in sequential order by Prof. Dr. A. T. Khan, Prof. Dr. Jameel Ahmed Khan, Prof. Dr. M. Munir Hasan, Prof. Dr. A. Q. Qazi, Engr. Abul Kalam and Prof. Dr. M. Afzal Haque. Dr. S. H. Lodi is the present Vice Chancellor.

1.2 Thar Institute of Engineering, Sciences and Technology (TIEST)

TIEST is established at Mithi, Tharparkar which is around 350 km towards East from Karachi. The main purpose of establishing this institute was to provide direct access of quality education to the deprived students of this district as well as producing qualified workforce for the future need of this rapidly developing area of the province.

TIEST is currently established in a temporary building which will eventually be shifted to its main campus which is going to be established at a land of around 300 acres on the main road leading to Islamkot and is almost in the mid of Mithi and Islamkot. It is also at a reasonable distance from the Airport. At TIEST currently, Bachelor of Computer Science and Bachelor of Civil Engineering programmes are offered with 60 and 50 seats respectively. First Principal of TIEST is Prof. Dr. Muhammad Raza Mehdi, who was succeeded by Prof. Dr. Nasir Uddin Shaikh





4.1 GENERAL GUIDANCE

4.1.1 The prospectus is available on NED University website at "www.neduet.edu.pk/admission".

4.1.2 Candidates shall be required to apply online for admission:

- They will be required to get the print-out of Application Form, sign it and submit along with other documents as mentioned in 4.1.4 at the time of submission of original documents.
- Candidates desirous for taking admission at Thar Institute of Engineering, Sciences and Technology (TIEST), will also be required to fill Admission Form as mentioned above. Criteria for such applicants will be the same as of NED University.
- Application processing fee of Rs. 4,700/- is required to be paid in designated branches of banks.
- Candidates may apply under more than one category through the same online admission process. Admission categories have been specified in Chapter 5.

4.1.3 Applications received in one category shall not be transferred to another category.

4.1.4 All such candidates whose name appeared in merit list and are called for admission should submit the following documents:

i. Original Documents (to be retained by the University)

- Domicile of Sindh Province
- Affidavit of non-political activities
- HSC/DAE Marks Sheet or Equivalent Marks Sheet
- Equivalence Certificate from IBCC for foreign examinations and Grade Sheets, if applicable
- Hafiz-e-Quran Certificate, if applicable
- Migration Certificate in case of having passed HSC examination from a Board other than Karachi Board

ii. Other Documents (Two Attested Photocopies)

- All the documents mentioned in para 4.1.4(i)
- SSC or DAE Examination Mark sheet or Grade Sheets and Equivalence Certificate from IBCC
- Admit Card of Pre-Admission Entry Test
- In addition, Passport Size Photographs (02 Nos.).

Original documents retained by the University will be returned after the completion or termination of the studies at this University.

Applicants are advised that they should retain sufficient number of attested photocopies of their documents/certificates as the originals are not likely to be returned during their period of study at the University.

4.1.5 Candidates for admission under following categories are required to submit documents as mentioned below in addition to those mentioned in Para 4.1.4:-

- R-6 i.e., Resident of Rural Areas of Karachi, should submit original School Leaving Certificate.
- SF-8 i.e., Real Sons / Daughters of NEDAN Life Members, should submit copy of NEDAN membership card along with the other documents.
- SF-9(a) i.e., Real Sons / Daughters of Professional Engineers of Sindh, should submit copy of Engineering Degree of the parent and proof of valid registration with Pakistan Engineering Council (PEC).
- SF-9(b) i.e., Real Sons / Daughters of Professional Architects & Planners, should submit copy of Architecture & Planners Degree of the parent and proof of valid registration with Pakistan Council of Architects and Town Planners (PCATP).
- SF-9(c) i.e., Real Sons / Daughters of Expatriate Pakistani, should submit copy of National Identity Card for Overseas Pakistanis (NICOP) along with the other documents.
- R-9 i.e., Outstanding Sportsmen, should submit sports testimonials as mentioned in Para R-9 (iv) in Chapter 5.
- Candidates having passed qualifying examination from Foreign Boards must submit relevant document(s) to establish their date of birth.
- Candidates for category R-1(f) are required to submit certificate of disability from Department of Empowerment of Persons with Disabilities (DEPD), Government of Sindh.

4.1.6 Application Form, all fee and documents attached with the Application Form shall not be returnable as per Para 8.6.

4.1.7 Incomplete applications shall not be considered.

4.1.8 The complete online application along with proof of payment of processing fee must reach to the Admission Office of the University on the date notified for the submission of Admission Form by the University in the Press and Website. Any application received after this date or found deficient in any respect will be summarily rejected. Any certificate or matter in addition to the specified requirement shall be treated as irrelevant and discarded.

4.1.9 Candidates are directed to write their names, Father Name & Date of Birth in Online Admission Application as mentioned on their SSC/Equivalent Certificate.





4.2 ELIGIBILITY CONDITIONS

4.2.1 Applicant should be domiciled in Sindh Province, except for reserved categories and category R-1(g).

4.2.2 He/She must have passed either Higher School Examination (HSC) from any authorised Board of Education in Pakistan OR an Equivalent Foreign Examination recognized as such by the University OR have appeared in any such examination and waiting for final results. In this case A-level candidates will be required to submit the A Level Grade Sheet along with IBCC Equivalency Certificate latest by Mid-January 2025. Admission of such students shall remain provisional subject to the fulfilment of Clause 4.2.2.(b). In case of non-compliance, their admission shall be liable to be cancelled. All Candidates should fulfill the following conditions (after announcement of respective results):

- a) The year of passing the examination held should not be earlier than the three years immediately prior to submission of application.
- b) i) Each applicant should have obtained at least 60% marks in aggregate.
ii) Candidates having obtained at least 50% marks in aggregate are eligible to apply for admission in all BS programmes except in BS (CT).
iii) The applicants who has passed HSC-I examination and are waiting for HSC-II result after appearing in the respective examination shall have their application accepted provided they had obtained at least 55% marks (or 50% marks for all BS programmes except BS (CT) in HSC-I).
- c) i) For admission in any undergraduate Programme, subjects examined at the HSC or Equivalent level must include Pre-Engineering subjects of Mathematics, Physics and Chemistry.
ii) Any applicant who has passed HSC or Equivalent Examination with subjects of Mathematics, Physics, and Computer Science shall however be considered for admission only in:
a) BS in Computer Science, Management Sciences, Development Studies, English Linguistics, Computational Finance, Economics & Finance, Textile Sciences and Bachelor of Architecture without having study any additional Course.
b) All BE Programmes, subject to the study of an additional Non-Credit Course of Chemistry, will be offered by the University in the First Semester, and student must pass this course.
iii) Any applicant who has passed their HSC or Equivalent Examination with Mathematics, Statistics and Computer Science will be considered for admission only in BS in Computer Science, Management Sciences,

English Linguistics, Development Studies, Computational Finance and Economics & Finance.

- iv) Any applicant who has passed HSC Commerce or Equivalent Examination shall be considered for admission in BS Management Sciences, English Linguistics, Development Studies, and Economics & Finance only.
- v) Any applicant who has passed HSC Arts or Equivalent Examination shall be considered for admission in BS English Linguistics, Development Studies, Economics & Finance and Management Sciences only.
- vi) Any applicant who has passed HSC or Equivalent Examination with Pre-Medical subjects of Physics, Chemistry and Biology shall however be considered for admission in:
a) Allocated seats in Biomedical Engineering, BS in Computer Science, B.Arch Programme and all BS Programmes except Computational Finance.
b) Certain Engineering Programmes may be allowed (**Subject to approval from PEC**)

N.B: Admission to such candidates [as mentioned in Para 4.2.2.c(ii), (iii) (iv), (v) & (vi)] shall only be offered in above disciplines subject to availability of seats in these disciplines. Such candidates, if admitted, shall however, be conditionally considered for Change of Discipline after First Year.

vi) Any applicant who has passed DAE in relevant discipline from SBTE shall be considered for admission against allocated seats as prescribed by PEC, in certain categories.

- N.B:**
- i) An applicant who has completed his/her HSC I & II examination from two different boards at the time of admission shall be considered for admission on the basis of HSC-I Examination Board.
 - ii) No students, already enrolled in this University can be considered for the admission again until the current enrolment is cancelled OR prior permission is obtained from the Competent Authority.

4.2.3 An applicant should have passed Pre-admission Entry Test of this University with at least 50% marks with subject of Physics / Statistics, Chemistry / Computer Science and Mathematics / Biology depending upon their respective background in HSC (or equivalent). Similarly, applications with Commerce / Arts background will be required to qualify the test with relevant subjects.

N.B: Past years' Pre-Admission Entry Test results will be not be considered for current year admissions.

4.2.4 Any such nominee applying under category R-11(a) or R-11(b) or R-12(a) or R-12(b) or R-12(c) or R-12(d) or R-12(e) or R-13(a) or R-13(b) or R-13(c) or R-13(d) may produce documentary evidence of having passed Pre-Admission Entry Test conducted by any university / authority acceptable as such by this University.





4.3 EQUIVALENCE OF FOREIGN EXAMINATIONS

- 4.3.1 An applicant who has passed A-Level or any two-year Pre-University Examination at 11th and 12th grades or 12th and 13th / OAC Grades (or similar Examinations) with subjects of Physics/Statistics, Chemistry/Computer Science and Mathematics/Biology or Commerce & Arts must submit an Equivalence Certificate (obtained from Inter-Board Committee of Chairmen) along with his/her Application Form for admission. All such candidates will be dealt for admission as per clause 4.2.
- 4.3.2 All such applicants having passed / appeared in any foreign examination as mentioned in 4.3.1 must also submit an Equivalence Certificate (obtained from Inter-Board Committee of Chairmen) of their earlier qualification i.e. O-level / 10th Grade along with his/her Application Form for admission.

4.4 DETERMINATION OF MERIT POSITION

- 4.4.1 (a)(i) The overall merit in respect of candidates for admission shall be determined according to the following criteria:

**Merit Score = 50% (HSC Part I/ O-level Marks/ Equivalent)*
+ 50 % weightage to Entry Test**

* For candidates already completed HSC/A-level/Equivalent examinations will be dealt as per policy

- (ii) Candidates having appeared in any Equivalent Examination / Foreign Examination including A-Level and 12th Grade shall have their O-level / 10th Grade equivalent marks (As mentioned in respective IBCC Equivalency Certificate) to be considered with 50% weightage in place of HSC-I.
- (iii) Candidates having passed their HSC/Equivalent Examination during earlier years will have 50% weightage to their complete result of HSC / Equivalent Examination.
- (iv) Entry Test Marks indicate marks obtained in University Pre-Admission Entry Test or equivalent marks as obtained in any other tests as recognized by NED University.
- 4.4.1 (b) The admission offered based upon above merit shall remain provisional till the submission and subsequent verification (from relevant authorities) of final HSC or Equivalent Mark Sheet or IBCC Equivalency Certificate (for foreign exams only) with minimum 60 % marks obtained (55% marks for certain disciplines). In any case the final Mark Sheet for HSC must be submitted before 30th December, 2024 as otherwise the admission will be liable to be cancelled.
- 4.4.2 For applicants who have passed their qualifying examination in 2021, 2022 or in 2023 their merit positions for the purpose of admission shall be determined after deduction of 0.91% marks from the total obtained in their respective qualifying examinations. The same deduction shall apply in case of improvement (Including applicants who have taken improvement examination in the same calendar year as that of the HSC / Qualifying Examinations).

- 4.4.3 In case of tie for merit position in the selection for admission, the tie shall be resolved by the following criteria:

- a) Aggregate marks obtained in NED University Pre-Admission Entry Test shall be the criterion for resolving the merit.
- b) Any further tie shall be resolved by considering the following criteria:
- i) For applicants with Pre-Engineering / Pre-Medical/Computer Science: marks obtained in sections of Mathematics (or Biology as the case may be), then Physics/Statistics and then Chemistry/ Computer Science of NED University Pre-Admission Entry Test.
- ii) For applicants with Commerce: marks obtained in sections of Accounting, then Economics and then Business Mathematics of NED University Pre-Admission Entry Test
- iii) For applicants with Arts: marks obtained in sections of English (Combination of Vocabulary & Grammar and Reading Comprehension) and then General Knowledge and then Mathematics (General) of NED University Pre-Admission Entry Test.

4.5 MARKS FOR HAFIZ-E-QURAN

Any applicant who is Hafiz-e-Quran and has passed NED entry test shall have 1.82% of marks added to the HSC / equivalent marks obtained by the candidate. He/She shall have to provide the original Sanad of Hafiz-e-Quran from Wafaq-ul-Madaris and be prepared to appear and qualify in a Hafiz-e-Quran test as notified by the University.

4.6 REJECTION OF APPLICATION

- 4.6.1 The Vice Chancellor of the University will be the competent authority to reject any application and to cancel admission without assigning any reason.
- 4.6.2 The application shall be rejected summarily in case the applicant is found guilty of any suppression or misrepresentation of material facts at any stage. The Vice Chancellor can further debar him from seeking admission in the University and its affiliated colleges.

4.7 DISPLAY OF MERIT LIST

The Merit list for each category under Regular and Self Finance schemes will be notified and displayed on the University Website.





Category	CE	CE (UE)	PE	CE (CN)	ME	TE	IM	AU	EE	TC	CS	EL	CH	MY	MM	PP	FD	BM	SE	CT	PH	IC	CF	DS	TS	MG	B Arch	EG	EC	TCT	TCE	Total
R-12(e)	Nominees of Ministry of Education Govt. of Pakistan																														1	
	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
R-12(f)	Nominees of Indian Occupied Kashmir (IOK)																														5	
	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0		
R-13(a)	Nominees of G.H.Q (Army)																														9	
	2	0	0	0	2	1	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
R-13(b)	Nominees of N.H.Q (Navy)																														1	
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
R-13(c)	Nominees of P.A.F (Air Force)																														1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0		
R-13(d)	Nominees of Sindh Rangers																														1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
R-13(e)	Nominees of Airport Security Forces (ASF)																														4	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1		
R-14	Foreign Candidates Nominated by Economic Affairs Division (Ministry of Finance), Islamabad																														5	
	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0		
TOTAL	154	70	36	31	181	65	91	36	168	70	96	115	70	50	50	50	38	63	67	139	70	70	70	28	70	70	36	32	80	50	40	2256

Key for abbreviations:

CE Civil Engineering	EL Electronic Engineering	PH Physics
CE(UE) Civil Engineering (Specialisation in Urban)	CH Chemical Engineering	IC Industrial Chemistry
PE Petroleum Engineering	MY Metallurgical Engineering	CF Computational Finance
CE(CN) Civil Engineering (Specialisation in Construction)	MM Materials Engineering	DS Development Studies
ME Mechanical Engineering	PP Polymer & Petrochemical Engineering	TS Textile Sciences
TE Textile Engineering	FD Food Engineering	MG Management Sciences
IM Industrial & Manufacturing Engineering	BM Biomedical Engineering	EG English Linguistics
AU Automotive Engineering	SE Software Engineering	EC Economics & Finance
EE Electrical Engineering	CT Computer Science	TCT Computer Science at TIEST
TC Telecommunications Engineering	B. Arch Architecture	TCE Civil Engineering at TIEST
CS Computer Systems Engineering		

- NB:**
- Applicants for admission in Biomedical Engineering should have interest in Natural and Basic Sciences as they will be studying Biology, Physiology, Anatomy and Biochemistry.
 - Applicants for admission in Architecture Programme should have skill and interest in free hand sketching drawing and communication.
- * Seats allocated in Engineering Programmes for Pre-Medical Group are subjected to permission granted by PEC for such admissions; otherwise, these seats will be transferred to Pre-Engineering groups of respective categories (both in Regular & Self-Finance Schemes)
- ** Computer Science is offered with specialisation in **Data Science**, **Cyber Security**, **Artificial Intelligence** and **Gaming & Animation**, with allocation of 50 seats in each of the specialization programme, that will be allocated on university's first year merit.





5.1(ii) Description of Categories

- R-1(a) Candidates having passed HSC (Pre-Engineering/ Computer Science) Part I & II Examinations from Board of Intermediate Education, Karachi.
- R-1(b) Candidates having passed HSC(Pre-Medical) Part I & II Examinations from Board of Intermediate Education, Karachi.
- R-1(c) Candidates having passed HSC(Commerce) Part I & II Examinations from Board of Intermediate Education, Karachi.
- R-1(d) Candidates having passed HSC(Arts) Part I & II Examinations from Board of Intermediate Education, Karachi.
- R-1(e) Candidates having passed DAE from Sindh Board of Technical Education (SBTE).
- R-1(f) Candidates having disability (excluding the disability of deafness, dumbness, and blindness) and passed HSC (Pre-Engineering/Pre-Medical/Computer Science) Part I and II from any Board of Intermediate Education situated in province of Sindh and having certificate of disability from Department of Empowerment of Persons with Disabilities (DEPD), Government of Sindh. Such candidates may be required to appear before medical board.
- R-1(g) Candidates who are residents of Pakistan, belong to religious minorities and have passed HSC (Pre-Engineering/ Pre-Medical / Computer Science / Commerce / Arts) Part I and II from Board of Intermediate Education or equivalent foreign examination as recognized by the University.
- R-2(a) Candidates having passed HSC (Pre-Engineering/Pre-Medical/ Computer Science/Commerce/Arts) Part I & II Examinations from Board of Intermediate & Secondary Education, Hyderabad.
- R-2(b) Candidates having passed HSC (Pre-Engineering/Pre-Medical/Computer Science/Commerce/Arts) Part I & II Examinations from Board of Intermediate & Secondary Education, Mirpurkhas.
- R-2(c) Candidates having passed HSC (Pre-Engineering/Pre-Medical/Computer Science/Commerce/Arts) Part I & II Examinations from Board of Intermediate & Secondary Education, Sukkur.
- R-2(d) Candidates having passed HSC (Pre-Engineering/Pre-Medical/Computer Science/Commerce/Arts) Part I & II Examinations from Board of Intermediate & Secondary Education, Larkana.
- R-2(e) Candidates having passed HSC (Pre-Engineering/Pre-Medical/Computer Science/Commerce/Arts) Part I & II Examinations from Board of Intermediate & Secondary Education, Nawabshah.
- R-3(a) Candidates having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science/Commerce/Arts) Part I & II Examinations from Federal Board of Intermediate & Secondary Education, Islamabad.
- R-3(b) Candidates having passed HSC (Pre-Engineering/ Computer Science) Part I & II Examinations from Aga Khan Board.
- R-3(c) Candidates having passed HSC(Commerce) Part I & II Examinations from Aga Khan Board.
- R-3(d) Candidates having passed HSC(Pre-Medical) Part I & II Examinations from Aga Khan Board.
- N.B:** The seats between sub-categories R-3(b) to R-3(d) are inter-transferable, whenever considered necessary by the University.
- R-3(e) Candidates having passed HSC (Pre-Engineering/ Pre-Medical / Computer Science / Commerce/ Arts) Part I & II Examinations from Ziauddin University Education Board.
- R-4(a) Candidates having passed Foreign Examination (A-Level, Cambridge/London/Oxford) equivalent to HSC (Pre-Engineering/Computer Science) Examination.
- R-4(c) Candidates having passed Foreign Examination (12th Grade or Others) equivalent to HSC (Pre-Engineering/ Pre-Medical / Computer Science / Commerce/ Arts) Examination.
- R-4(d) Candidates having passed foreign Examination (A Level, Cambridge/London/Oxford) equivalent to HSC (Pre-Medical) Examination.
- R-4(e) Candidates having passed Foreign Examination (A Level, Cambridge/ London/Oxford) equivalent to HSC (Commerce) Examinations.
- R-4(f) Candidates having passed Foreign Examination (A Level, Cambridge/ London/Oxford) equivalent to HSC (Arts) Examinations.
- N.B:** The seats between sub-categories R-4(a) to R-4(f) are inter-transferable, whenever considered necessary by the University.
- R-5 Candidates having passed HSC (Pre-Engineering/Pre-Medical /Computer Science/Commerce/Arts) Part I & II Examinations from any Board other than Karachi, Aga Khan, Ziauddin, Hyderabad, Mirpurkhas, Sukkur, Larkana, Nawabshah, Federal Board and Foreign Examinations.
- R-6 Candidates who are residents of Rural Area of Karachi Division and have passed HSC (Pre-Engineering/Pre-Medical/ Computer Science/Commerce /Arts) Part-I & Part-II Examination from Board of Intermediate Education, Karachi and have passed Pre-Admission Entry Test of this University with at least 50% marks. Candidates having passed Matriculation / SSC from any school located in any Rural Area of the Karachi shall be given the preference.
- R-7(a) Candidates – Real Sons/Real Daughters of the NED University Teachers are eligible for admission provided that:
- The candidate has passed HSC/Equivalent Examination (Pre-Engineering / Pre-Medical / Computer Science / Commerce/Arts) and have passed Pre-Admission Entry Test of this University with at least 50% marks.
 - His/her real father/mother is serving in the University and has put in a minimum of three years continuous regular service in the University; or has retired from the service of the University after satisfactory completion of a minimum qualifying service or has expired after completion of minimum of three years continuous service in this University.





R-7(b) Candidates- Real Sons / Real Daughters of the NED University employees other than teachers are eligible for admission provided that:

- The candidate has passed HSC/Equivalent Examination (Pre-Engineering / Pre-Medical / Computer Science / Commerce/ Arts) and have passed Pre-Admission Entry Test of this University with at least 50% marks.
- His/her real father/mother is serving in the University and has put in minimum of three years continuous regular service in the University; has retired from the service of the University after satisfactory completion of minimum qualifying service or has expired after completion of minimum of three years continuous regular service in this University.

N.B: The seats between the sub-categories R-7(a) and R-7(b) are inter-transferable, whenever considered necessary by the University.

R-9 The candidates who are outstanding Sportsmen / Sportswomen are eligible for admission under this category provided that:

- They are domiciled in Sindh province and have passed HSC/Equivalent Examination (Pre-Engineering). Such candidates must fulfill the criteria given in para 4.2.2.
- They have passed Pre-Admission Entry Test of this University with at least 50% marks or any other such test as described in Para 4.2.3.

N.B. The following are the approved sports and games for admission under this category:

Sports: athletics, boxing, swimming, and rowing.
Games: basketball, cricket, hockey, football, volleyball, badminton, tennis, table tennis and squash.

- Subject to the conditions that the candidate has represented any sports Organizations/ Institutions/ Universities/ Board or Colleges of Sindh Province for the last three years to be calculated from the last date of submission of Application Form, the order of priority for selection under sports category shall be as follows:

Priority Order:

- Member of National Team
- National Champion (Individual/Team)
- Member of National Junior Team
- Member of Pakistan Universities Team/ Pakistan Boards Team
- National Junior Champion (Individual/Team)
- Inter University/Inter Board Champion (Individual/Team)
- National Youth Champion (Individual/Team)
- Member of Sindh Provincial Team
- Sindh Champion (Individual/Team)

(iv) The criteria of for selection for admission under this category shall be:

- Amongst candidates who qualify, not more than two sportsmen / sportswomen shall be selected for any individual sport/game. The merit list will be prepared considering the highest order of achievement in sports.
- Based on the order of achievements if there is a tie between two or more candidates, their lower order achievements will be considered, and they will be subsequently rated in the light of the order of priority list. In case of further tie a candidate with achievement in individual event will get preference over a candidate with achievement in team event. If still the tie is not resolved the older candidate will get the preference over the younger candidate.
- The information about event, name of team and distinction achieved by the team as well as by the candidate shall be supplied on the Application Form along with attested copies of other certificates issued by appropriate authorities listed in Para R-9(iv-f). The achievement certificates must be in printed form.
- The membership certificate of each sport team should contain the name of the player, sport, team represented and the year of representation.
- The Championship certificate of one sports team should contain the name of player, sport, team represented, name of event/category/class in which player secured championship, year of championship and position.

N.B: For priority order Nos. 1 & 4, only senior teams will be considered. Any team without mentioning age group, will be considered as senior team. Normally teams with age groups are as under:

- Senior Team (without age limit)
- Junior Team (under 20 years age)
- Youth Team (under 16 years age)

- For the purpose of selection of the candidates under sports category, only those achievements should be considered, the events of which have taken place before the last date of submission of Application Form for admission. Attested copies of all certificates are to be enclosed with the Application Form. Original certificates must be shown at the time of interview for selection. At the time of interview only those original certificates will be accepted for consideration whose photocopies have already been provided with the Application Form. The Sports Certificates must be furnished by the sports authorities mentioned below:

- For priority order Nos. 1, 2, 3 & 5 Secretary of concerned Sports Federation.
- For priority order No. 4 & 6 Director Sports Higher Education Commission/ Secretary, Inter Boards Tournament Committee as the case may be.





- For priority order No.7 Director General, Pakistan Sports Board and Coordinator/ Director Sindh Sports Board.
 - For priority order No. 8 & 9 Secretary, concerned provincial Sports Association.
 - For membership of Pakistan Board Team, Secretary of Inter Boards Tournaments Committee.
 - For Inter-University Championship, Secretary of Pakistan University Sports Board.
 - For Inter-Board Championship, Secretary of Inter-Board Tournament Committee
- g. Selection of applicants will be made by Sports Admission Committee constituted by the Vice-Chancellor. The merit documents of applicants will be verified by the nominees of the Committee from the authorities and/or sources which Committee considers appropriate.
- h. Applicants admitted under this category i.e. Outstanding Sportsmen / Sportswomen will be required to produce an affidavit to the effect that they will represent the University in their respective games/sports whenever called upon to do so and that they would not play as professional or represent any other public/private institute on part time/full time basis. The required affidavit will be produced on stamp paper of Rs.100/- duly signed by the Notary Public.

Reserved Categories for Nominees

Each nominee under the reserved categories of any nominating agency / body must have passed HSC / Equivalent Foreign Examination as recognized by this University and also eligible as per Clause 4.2.

- R-10(a) Nominees who belong to Parsi/ Minority Communities and whose names are recommended by Dinshaw Family.
- R-10(b) Nominees who are recommended by Latif Ebrahim Jamal (LEJ Foundation).
- R-11(a) Nominees of UET Lahore/Taxila under reciprocal basis through Education Department, Govt. of Punjab.
- R-11(b) Nominees of UET Peshawar under reciprocal basis through Education Department, Govt. of Khyber Pakhtunkhwa.
- R-12(a) Nominees from Balochistan whose names are forwarded by Education Department, Government of Balochistan.
- R-12(b) Nominees from erstwhile FATA Region whose names are forwarded by Home & Tribal Affairs Department, Government of Khyber Pakhtunkhwa, Peshawar.
- R-12(c) Nominees from Azad Kashmir whose names are forwarded by Nomination Board, Azad Jammu and Kashmir.
- R-12(d) Nominees from Gilgit Baltistan whose names are forwarded by Kashmir Affairs and Northern Affairs Division, Government of Pakistan.

- R-12(e) Nominees from Federal Capital Area whose names are forwarded by Cabinet Division, Government of Pakistan, Islamabad.
- R-12(f) Nominees who are from Indian Occupied Kashmir (IOK) whose names are forwarded by Ministry of Finance, Revenue, Economic Affairs Division.
- R-13(a) Nominees who are children of Army Personnel and whose names are forwarded by Welfare Rehabilitation Directorate, GHQ, Rawalpindi.
- R-13(b) Nominees who are children of Navy Personnel and whose names are forwarded by the Director Personal Services, Naval Headquarters.
- R-13(c) Nominees who are children of Air Force Personnel and whose names are forwarded by the Directorate of Education, Air Headquarters.
- R-13(d) Nominees who are children of Rangers Personnel and whose names are forwarded by the Director General, Pakistan Rangers (Sindh).
- R-13(e) Nominees who are children of Airport Security Force (ASF) and whose names are forwarded by the Directorate of Education, ASF.
- R-14 Nominees who are foreign nationals and whose names are forwarded by the Economic Affairs Division Government of Pakistan, Islamabad.

5.1(iii) Transfer of Seats

- (a) If the number of candidates in Arts, Commerce and Pre-Medical groups selected for admission under categories from R-1 to R-4 falls short of the allocated number of seats, after admission and waiting lists have been considered, the balance number of seats in each of these categories will be transferred to respective categories reserved for Pre-Engineering group. Any further balance seats from categories R-1 to R-4 as well as all balance seats in other categories R-5 to R-14 will be transferred to R-1(a).
- (b) Any seat remaining vacant from any category at Thar Institute of Engineering, Sciences and Technology (TIEST) will be transferred to the category reserved for Mirpurkhas Board. Any further vacant seat will be inter-transferable with other categories wherever considered necessary by the University administration.





5.2(ii) Description of Categories

- SF-1(a) Candidates having passed HSC (Pre-Engineering/ Computer Science) Part I & II Examinations and improvement, if any, from Board of Intermediate Education, Karachi.
- SF-1(b) Candidates having passed HSC (Pre-Medical) Part I & II Examinations and improvement, if any, from Board of Intermediate Education, Karachi,
- SF-2(a) Candidates having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science) Part I & II Examination and improvement, if any, from Board of Intermediate & Secondary Education, Hyderabad.
- SF-2(b) Candidates having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science) Part I & II Examination and improvement, if any, from Board of Intermediate & Secondary Education, Mirpurkhas.
- SF-2(c) Candidates having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science) Part I & II Examination and improvement, if any, from Board of Intermediate & Secondary Education, Sukkur.
- SF-2(d) Candidates having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science) Part I & II Examination and improvement, if any, from Board of Intermediate & Secondary Education, Larkana.
- SF-2(e) Candidates having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science) Part I & II Examination and improvement, if any, from Board of Intermediate & Secondary Education, Nawabshah.
- SF-3(a) Candidates having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science) Part I & II Examination and improvement, if any, from Federal Board of Intermediate & Secondary Education, Islamabad.
- SF-3(b) Candidate having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science) Part I & II Examinations and improvement if any, from Aga Khan Board Karachi.
- SF-3(e) Candidates having passed HSC (Pre-Engineering / Pre-Medical/Computer Science) Part I & II Examinations from Ziauddin University Education Board.
- SF-4(a) Candidates having passed Foreign Examination (A Level, Cambridge/ London/Oxford) equivalent to HSC (Pre-Engineering/ Pre-Medical /Computer Science) part I & II Examinations. Located in Pakistan.
- SF-4(b) Candidates having passed Foreign Examination (12th Grade or Others) equivalent to HSC (Pre-Engineering/ Pre-Medical/Computer Science) part I & II Examination. Located in Pakistan.

SF-5 Candidates having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science) Part I & II Examinations from any Board other than Karachi, Aga Khan, Ziauddin, Hyderabad, Mirpurkhas, Sukkur, Larkana, Nawabshah Federal Board and Foreign Examinations.

N.B: **Rs. 825,000/- (Rupees Eight Hundred Twenty-Five Thousand only) shall be required to be deposited in designated branch of the banks as Self Finance Fee for admission in all disciplines under above categories (SF-1 to SF-5).**

SF-6(a) Candidates having passed Foreign Examination (A Level, Cambridge / London / Oxford) equivalent to HSC(Pre-Engineering/Pre-Medical/Computer Science), located Overseas.

SF-6(b) Candidates having passed Foreign Examination (12th Grade or Others) equivalent to HSC Pre-Engineering/ Pre-Medical/ Computer Science), located Overseas.

SF-6(c) Candidates having passed HSC (Pre-Engineering/ Pre-Medical/Computer Science) Part I & II Examination from Federal Board of Intermediate & Secondary Education, Islamabad, located Overseas.

SF-7(a) Foreign candidates whose names are forwarded by the Higher Education Commission Government of Pakistan, Islamabad must have passed HSC (Pre-Engineering/Pre-Medical/Computer Science) Examination or an Equivalent Foreign Examination.

SF-7(b) Afghan Candidates whose name are forwarded by the Higher Education Commission Government of Pakistan, Islamabad must have passed HSC (Pre-Engineering/Pre-Medical/Computer Science) Examination or an Equivalent Foreign Examination.

SF-8 Candidates who are Real Sons / Daughters of NED University Alumni Network (NEDAN) Life Members and have passed HSC (Pre-Engineering) Part I & II Examinations from Board of Intermediate Education or equivalent foreign examination as recognised by the University.

SF-9(a) Candidates who are Real Sons/ Daughters of Professional Engineers of Sindh Province and have passed HSC (Pre-Engineering) Part I & II Examinations from Board of Intermediate Education or equivalent foreign examination as recognised by the University.

N.B: **The candidate's real parent must have valid registration with Pakistan Engineering Council.**

SF-9(b) Candidates who are Real Sons/ Daughters of Professional Architects/Planners of Sindh Province and have passed HSC (Pre-Engineering/Pre-Medical/Computer Science) Part I & II Examinations



from Board of Intermediate Education or equivalent foreign examination as recognised by the University.

N.B: The candidate's parent must have valid registration with the Pakistan Council of Architects and Town Planners (PCATP).

SF-9(c) Candidates who are Real Sons/ Daughters of Expatriate Pakistanis and have passed HSC (Pre-Engineering/ Pre-Medical / Computer Science) Examinations or equivalent foreign examination as recognised by the University.

N.B: The candidate's parent must have valid NICOP.

SF-10(a) Nominees who belong to Parsi / Minority Communities and whose names are recommended by Dinshaw Family.

SF-10(b) Nominees who are recommended by S.S. International.

SF-11 Candidates who are residents of Pakistan and have passed HSC (Pre-Engineering/Pre-Medical/Computer Science) Part I & II Examinations from Board of Intermediate Education or DAE from SBTE or equivalent foreign examination as recognized by the University.

N.B: i) **Rs. 1,025,000/- (Rupees One Million twenty-five thousand only) shall be required to be deposited in designated branch of the banks as Self Finance Fee for admission under the above categories (SF-6 to SF-11).**

ii) The seats between sub-categories SF-4(a), SF-4(b), SF-6(a), SF-6(b) and SF-9(c) are inter-transferable, whenever considered necessary by the University.

5.2(iii) Admission Under More Than One Categories

Candidates applying against more than one category under Self Finance Scheme may only deposit Self Finance Fee for any one category. In case of difference in amount of Self Finance, the highest amount needs to be deposited.

5.2 (iv) Transfer of Seats

(a) If the number of candidates under categories from SF-2 to SF-4 falls short of the allocated number of seats, after admission and waiting lists have been considered, the balance number of seats in each of these categories will be transferred to respective categories reserved for pre-engineering group. Any further balance seats from categories SF-2 to SF-4 as well as all balance seats in other categories (SF-5 to SF-11) will be transferred as under:

- (i) All BE and BS (CT) Happeats to SF-1(a).
- (ii) All remaining BS and B. Arch seats to R-1(a).

(b) Any seat remaining vacant from any category at Thar Institute of Engineering, Sciences and Technology (TIEST) will be transferred to the category reserved for Mirpurkhas Board. Any further vacant seat will be inter-transferable with other categories wherever considered necessary by the University.





6.1 ADMISSION IN FIRST SEMESTER

6.1.1. Reporting in Person

Applicants whose names appear in the Merit list should personally report for Submission of documents and Medical Fitness Test at Admission Office on the date and time specified for reporting, according to the schedule, provided by the University.

6.1.2 Documents Required

Candidate for admission must submit the following documents to the Admissions Office (as per clause 4.1.4):

i. Original Documents (to be retained by the University)

- Domicile of Sindh Province
- Affidavit of non-political activities
- HSC / DAE Marks Sheet or Equivalent Marks Sheet
- Equivalence Certificate from IBCC for foreign examinations and Grade Sheets, if applicable
- Hafiz-e-Quran Certificate, if applicable
- Migration Certificate in case of having passed HSC examination from a Board other than Karachi Board

ii. Other Documents (Two Attested Photocopies)

- SSC or Equivalent or DAE Examination Mark sheet and Certificate
- Admit Card of Pre-Admission Entry Test
- In addition, Passport Size Photographs (02 Nos.).

Original documents retained by the University will be returned after the completion or termination of the studies at this University.

Applicants are advised that they should retain sufficient number of attested photocopies of their documents/ certificates as the originals are not likely to be returned during their period of study at the University.

The name of applicants who do not submit the original documents on the specified scheduled dates for each category, shall stand deleted from the Merit List. No plea whatsoever, shall be acceptable in case any applicant fails to appear on the scheduled date.

6.1.3 Medical Fitness Test

Each candidate shall be examined for Medical Fitness being offered admission in this University. For Medical Fitness Test candidates shall have to:

- Deposit Medical Fee along with Admission Fee at the time of interview.

- Produce Bank deposit slip to the Office of Principal Medical Officer (PMO) of the University along with Chest PA view X-Ray, two passport size photographs and attested photocopy of Matriculation Certificate. In case of foreign examinations candidate's proof of date of birth should be produced.

NB: The applicants, who fail to appear for medical examination on the specified scheduled dates as notified for the respective category, shall stand deleted from the Merit List. No plea whatsoever shall be acceptable in case any candidate fails to appear on the scheduled date.

6.1.4 Medical Fitness

- The eyesight, aided or unaided, should not be poorer than 6/9 in one eye and 6/12 in other eye while near vision should be N5 at least with glasses.
- The chest expansion should not be less than 4cm and X-ray of chest should be satisfactory.
- The limbs, including the feet and toes, should be well formed and developed with perfect and unrestricted movement of all joints.
- The candidate should not suffer from any remarkable skin disease.
- Colour blindness—even if vision is otherwise normal—will disqualify applicants for the disciplines of Mechanical, Electrical, Computer & Information Systems, Textile, Industrial & Manufacturing, Electronics and Telecommunications Engineering. Candidates may, however, be considered for other disciplines.

6.1.5 Interview & Admission

- Candidates would be required to appear for Interview before the Admission Committee to choose the discipline from the available seats in their respective category. The selection of Discipline/ Programme is based on a computerized interactive process. **The choice of available seats would decrease as one goes down in the order of merit** and each candidate will have to make "on-the-spot" choice from the seats available. **To assist the candidate in making the decision he/she may bring his/her parents (or guardian) on the day of interview.**
- If the candidate decides to get admission, then he / she shall be required to
 - Pay the following amount either in cash or through Pay Order in favour of Director of Finance, NED University, which should have been acquired earlier.





- Rs.101,045/- for all Engineering programmes.
- Rs.110,435/- for all BS (Computer Sciences) and all programmes offered at TIEST.
- Rs.103,045/- for candidates being admitted in Architecture Department
- Rs. 101,045/- for candidates being admitted in all remaining BS programmes. Those admitted in BS (Industrial Chemistry) shall be required to pay Rs. 102,545/- (including Rs.1500/- as Bench Fee)
- Rs. 110,435/- for candidates being admitted in BS(CT) Programmes.

NB: *Merit/Need Scholarship shall be awarded to the deserving newly admitted students by the University.*

- b) Submit a declaration of non-participation in political activities and non-indulgence in unwanted activities on Stamp Paper of Rs.100/.
- (iii) If the candidate is unable to attend the interview in case of 'exceptional circumstances' he/she may authorise any person, **preferably a parent**, to come on the interview day and take decision on behalf of candidate. The person so authorized shall have to complete all formalities required by the University regarding admission process. Candidates who expect to face 'exceptional circumstances' should contact the Chairman Admission Committee before interview.
- iv) A Candidate applying under more than one category- once admitted in any category, either withdraw for all other category(ies) applied OR reappear before Admission Committee on prescribed time, if he / she wants to change his / her admission category.
- (v) The name of candidates who do not appear for medical, do not submit the original documents and/ or fail to appear for interview / Admission on the specified scheduled dates for each category, shall be deleted from the Merit List. The candidate may, however, appeal, giving justification for non-appearance on the scheduled date for consideration about inclusion in subsequent Merit List to be issued.

6.1.6 University Identity Card

Candidates who are admitted shall be issued University Identity Cards. All students are required to carry and produce original University Identity Cards whenever required.

6.2 EMPLOYMENT / SIMULTANEOUS ENROLMENT

All undergraduate degree programmes are regular full-time day programmes. No student admitted in this University shall be allowed to engage himself/ herself in employment or maintain simultaneous enrolment in any

other course of studies in other educational institutions. Violation of above may lead to cancellation of admission.

6.3 CANCELLATION / WITHDRAWAL OF ADMISSION

The Vice Chancellor will be competent authority to cancel or withdraw admission of any candidate.

6.4 MEDIUM OF INSTRUCTIONS

The medium of instructions and examinations shall be English.

6.5 ADMISSIONS IN SUBSEQUENT SEMESTER/ YEARS OF STUDY

- 6.5.1 Registration in any Semester shall be allowed only during first three weeks after commencement of classes of that Semester. Registration shall be confirmed after payment of semester fee.
- 6.5.2 Registration shall however be subject to the conditions laid down in clauses 6.5.3(d) and 6.5.4(c)
- 6.5.3(a) In a semester, a student shall be registered in any such courses prescribed in that Semester which the student has not passed earlier, subject to clause 6.5.4(c).
- 6.5.3(b) Registration in any course(s) offered other than the prescribed courses of that Semester/Session may also be allowed by the Chairman of the Department concerned in the following cases subject to payment of prescribed fees:
 - i) If the student has been admitted in Second Year Fall Semester on migration basis and consequently required to pass (additional) course(s) of First Year in which he/she is not eligible for exemption.
 - ii) The student having been allowed change of discipline is required to pass such course(s) in which either transfer of credit has not been allowed or the student has not studied the course(s) earlier.
 - iii) The student requests being allowed to either register in any course(s) in which he/she had failed earlier or any course(s) as permissible under Para 6.10.1 for grade improvement. Sessional marks shall be revised for which the student shall be required to appear in tests and submit assignments for sessional marks.
 - iv) The student having short of attendance during previous semester(s).
 - v) The student shall have to attend at least 75% classes in courses where he/she has not met this requirement earlier.
- 6.5.3(c) In any case, the number of registered courses in any semester including all prescribed courses of a semester, should not exceed the maximum prescribed limit.





6.5.3(d) In any Semester, the student shall be allowed to register in maximum of seven theory courses in total, excluding non-credit courses and FYDP. However, in B.Arch. Programme students will not be allowed to register for more than one design studio course in any one semester.

6.5.3(e) Students on Withdrawal shall not be eligible for registration.

6.5.4(a) Any student who fails to obtain at least 2.00 CGPA in First year Fall Semester shall remain on probation during First year Spring Semester. In any case, if such student still has less than 2.00 CGPA at the time of registration in Second year Fall Semester, he/she shall proceed to second (and last) probation during that semester. During the probation period(s) such student shall be allowed to register for the regular courses as well as any backlog courses within the maximum limit defined in clause 6.5.3(d).

6.5.4(b) In any semester, the student shall ONLY be allowed to register in course(s) of which he/she has studied/qualified the relevant pre-requisite course(s). In any case the maximum number of courses shall be in accordance to clause 6.5.3(d).

6.5.4(c) Any such students who after being in second probation have obtained more than 1.00 CGPA but less than 2.00 CGPA shall not be allowed to register in subsequent semester. He/She will be required to improve his/her CGPA up to 2.00 before being allowed to register in subsequent semester.

6.5.5 Any student having discontinued his/her studies after official permission due to any reason, shall be allowed registration in any semester, subject to fulfillment of condition laid down in clause 6.5.4 (c).

6.5.6(i) Any student registered in any additional course(s) may request the chairperson for change or withdrawal from such course(s). However, such change/ withdrawal shall be allowed only during first three weeks of the semester. In such case, the fee for the withdrawn courses will ONLY be adjusted towards subsequent semester.

6.5.6(ii) Any student may be allowed to withdraw from a course up to the 8th week of the semester. However, in such case, the fee of the course shall not be refunded/adjusted and the transcript shall record the enrolment with a grade 'W'.

6.5.6(iii) No request for withdrawal shall be accepted after 8th week of the semester, and in case of non-appearance in examination, the student shall be awarded 'WU' against that subject.

6.5.7 All such students who are interested to avail any Mobility Programmes need to register themselves in the subsequent semester (before proceeding abroad) by paying 40% of the Semester Fee. Furthermore, following conditions shall be fulfilled:

a) Such students shall be given exemption in the courses which they had studied in the institutions abroad provided that:

i) Such mobility was availed with the approval of the University

ii) Courses studied abroad are having more than 75% equivalency with the courses for which exemption is requested.

iii) Exemption will be allowed for courses with 'B' grade and above.

iv) Request for exemption should be submitted to concerned department within two weeks after returning from the mobility.

b) Mobility shall be allowed in second year and third year only for all students except students in B.Arch. Who shall be allowed Mobility in Second, Third and Fourth Years only.

c) Clause 6.5.4(c) shall also be applied to such students.

6.6 ADMISSION ON MIGRATION BASIS

Admission on migration shall be allowed in relevant discipline under extra ordinary circumstances subject to the following conditions:

a) Seat(s) is available in relevant discipline.

b) Applicant must have passed First Year of studies completely in the institution where he/ she was initially admitted.

c) Admission shall only be offered in Second Year (Fall Semester).

d) Applications for migration shall be called in the month of September on prescribed form which is required to be submitted along with processing fee of Rs. 1,500/-

e) Candidates offered migration shall be required to pay non-refundable migration fee of Rs. 800,000/- (Rupees Eight Hundred Thousand Only)

f) Student admitted on migration shall be given exemption in all such courses of First and Second Year which he/ she has passed during study in previous institution. However, he/ she shall be required to register and pass all such courses of the discipline in which he/ she is offered admission which he/ she has not studied in previous institution.





6.7 DURATION OF PROGRAMME

- 6.7.1 Courses of studies leading to the degree of Bachelor of Engineering and Science shall be of four (4) academic years' duration.
- 6.7.2 Courses of studies leading to degrees of Bachelor of Architecture shall however be of five (5) academic years' duration.
- 6.7.3 Any student who fails to complete all requirements for his/her degree in the prescribed time may continue study for further three academic years. Consequently, including the academic year of his/her first admission;
- a) Maximum seven academic years shall be allowed for each Four-year degree programme.
 - b) Maximum eight academic years shall however be allowed for each Five-year degree programme.
 - c) i) Any student admitted in Second Year on migration basis shall have one year reduced from maximum allowable period.
ii) Any student admitted in Third Year on the basis of Associate Degree Programme shall have two years reduced from maximum allowable period.

6.8 CANCELLATION OF ADMISSION/ENROLMENT

- 6.8.1 Admission of any such student of First Year of Studies in any discipline shall be cancelled who is not a candidate for the Fall Semester Examination.
- 6.8.2 Admission of any such student of any Year/ Semester who has been rusticated from the University on account of serious breach of discipline for any specified period shall be cancelled and notified. However, after expiry of the period the student may be allowed readmission with original batch, if otherwise eligible.
- 6.8.3 Admission and enrolment of any such student of any Year/ Semester who has been expelled from the University on account of major breach of discipline shall be cancelled after due process and subsequently notified. The student shall not be eligible for any subsequent admission in the University.
- 6.8.5 Admission of any such student shall be cancelled, who without information fails to register in any Semester even after passing of the permissible registration duration.

6.9 WITHDRAWAL FROM SEMESTER/PROGRAMME

- 6.9.1 Withdrawal from any semester or programme may be allowed only in extra-ordinary circumstances.
- 6.9.2 The student shall be required to apply for withdrawal through concerned Chairperson along with evidence supporting his/her request for withdrawal.

6.9.3 Any such student(s) seeking readmission after withdrawal shall only be considered for readmission with original batch provided that:

- a) The applicant has officially withdrawn earlier from the semester or programme.
- b) The period of discontinuation of his studies does not exceed three academic years.
- c) He / She produces an Affidavit on Stamp Paper of prescribed amount declaring that during the period of his/her discontinuation of studies he/she was neither on the roll of any other Educational Institution nor was convicted by any Court of law.
- d) The student shall be able to complete his / her degree with in time limit prescribed under Para 6.7.3.

6.10 GRADE IMPROVEMENT

- 6.10.1 (a) Any student may be allowed by the Chairperson of the Department concerned to repeat course(s) offered in that semester subject to the following conditions:
- (i) A compulsory course which the student is required to repeat for obtaining a passing grade or a course selected by the student for improvement of his/her CGPA.
 - (ii) Any other elective course of a particular stream in lieu of an elective course.
- (b) The student shall be allowed to repeat courses as per the maximum limit defined in clause 6.5.3 (d).
- (c) The students may however repeat the course(s) as and when offered.
- (d) Better grades in course(s) shall be considered for determining his/her GPA/CGPA.
- 6.10.2 Any student who is eligible for award of degree under clause 7.7 (Chapter 7) but still desires to improve CGPA for any reason may be allowed by the Chairperson of the Department concerned, subject to the following conditions:
- (a) No provisional certificate/degree has been issued to his/her.
 - (b) Duration of completion for the degree does not exceed the maximum limit described under Clause 6.7.3.
 - (c) The student requests registration in desired courses within two weeks after announcement of his/her result.



7.1 SEMESTER EXAMINATION

Semester Examinations are held followed by each semester. Schedule of such examinations shall be as notified by the Examinations Department.

7.2 CLASS ATTENDANCE

- 7.2.1 Any candidate, who registered during the semester, will be allowed to appear only in such course(s) in which his/her attendance is at least 75% during the semester.
- 7.2.2 Any candidate, who registered during the semester, will be allowed to appear in all such courses of the semester provided his/her aggregate attendance in all such courses is at least 75% of the total of all classes held in the courses during the semester.

7.3 ADMIT CARD

- 7.3.1 Admit Card for the examination shall be issued to any candidate who is eligible / allowed to appear in the course(s) as mentioned on his/ her Card.
- 7.3.2 The Admit Card must be in possession of the candidate while appearing in the examination for any course for which he / she has been allowed.

7.4 GRADE POINTS

Grade / grade point equated with percentage of marks and other grades shall be as follows:

Grade	Grade Point	% Marks	Remarks
A+	4.0	94–100	Extra Ordinary
A	4.0	85–93	Excellent
A-	3.7	80–84	} Very Good
B+	3.4	75–79	
B	3.0	70–74	Good
B-	2.7	67–69	Above Average
C+	2.4	64–66	Average
C	2.0	60–63	Satisfactory
C-	1.7	57–59	Adequate
D+	1.4	54–56	} Pass
D	1.0	50–53	
F	0.0	Below 50	Fail
P	–	50–100	Pass in Non-Credit Course
IP	–	–	In Progress*
X	–	–	Exempted
I	–	–	Incomplete
W	–	–	Withdrawal
WU	–	–	Withdrawal Un Officially

* To be evaluated in Spring Semester for Final Year project or any specified Design course

7.5 GRADE POINT AVERAGES

Grade Point Average (GPA) for any semester and Cumulative Grade Points Average (CGPA) for more than one semester shall be calculated as under:

$$\text{CPA / CGPA} = \frac{\sum (\text{credit hours of a course} \times \text{grade point})}{\text{Total Credit hours of the courses}}$$

7.6. MARKS DISTRIBUTION

Marks distribution for each final examination and sessional evaluation shall be as under:

Each theory paper, practical, design course (studio work) and Final Year project shall have 60% marks for final examination and 40% marks for sessional evaluation.

7.7. AWARD OF DEGREE

- 7.7.1 Any student who was admitted in First Year and has passed all courses as prescribed for his/her Discipline with CGPA of at least 2.0 shall be eligible for the award of Degree in that Discipline.
- 7.7.2 Any student who was admitted directly in Second Year on migration from any recognized Institution and has passed all courses as prescribed for that Discipline with CGPA of at least 2.0 shall be eligible for award of a Degree in that Discipline. The course(s), if any, in which the student was allowed exemption on the basis of having studied the course(s) in the former Institution shall not, however, be counted for determining his/her GPA/CGPA.
- 7.7.3 Any student who was admitted directly in Third Year, Bachelor of Mechanical Engineering Programme on the basis of Associate Degree in Marine Engineering Programme of this University and has passed all courses of Third Year onwards as prescribed for Mechanical Discipline with CGPA of at least 2.0 shall be eligible for the award of Degree in that Discipline.





8.1 FEE AND CHARGES (NON-REFUNDABLE)

8.1.1. For Main Campus, LEJ and City Campus

- a) Admission Fee to be paid once at the time of Admission For locals
- | | |
|--------------------------------|--------------|
| In BE, BS (CT) and B. Arch | Rs. 47,500/- |
| In all remaining BS Programmes | Rs. 47,500/- |
| BS (CT) Programmes | Rs. 51,460/- |
| For Foreigners | Rs.338,000/- |
- b) Following fee and charges to be paid at the start of each semester:
- i) Semester (Tuition & Examination) Fee:
- For all BE, BS (CT) and B Arch programme *Rs.46,670/-
 - For all remaining BS Programmes *Rs.46,670/-
 - For Local BS (CT) Programmes *Rs.52,100/-

NB: All deserving candidates are paid scholarship against tuition fee from Merit/Need based Scholarship subject to the availability of funds.

- ii) Students Facilitation Charges *Rs.6,875/-
- iii) Studio Fee (For Architecture Department only) *Rs.2,000/-
- iv) Bench Fee (For BS Industrial Chemistry only) *Rs.1,500/-
- c) If applicable, fee (Tuition and Examination) for one course *Rs. 6,500/- (*subject to revision).

8.1.2. For Thar Institute of Engineering, Sciences and Technology (TIEST)

- a) Admission Fee to be paid once at the time of Admission: Rs. 48,335/-
- b) Following fee and charges to be paid at the start of each semester:
- i) Semester (Tuition & Examination) Fee *Rs.52,100/-

NB: All deserving candidates are paid scholarship against tuition fee from Merit/Need based Scholarship subject to the availability of funds.

- ii) Students Facilitation Charges *Rs.10,000/-
- b) If applicable, fee (Tuition and Examination) for one course *Rs. 6,500/- (*subject to revision).

8.2 CHARGES UNDER SELF-FINANCE SCHEME

- a) Self-Finance Fee must be paid in designated branches of the bank and copy of receipt/ challan enclosed with Application Form; which shall not be refunded if admitted under the scheme on payment of Fee and Charges mentioned in Para 8.1 above.
- i) Categories SF-1 to SF-5 Rs. 825,000/-
- ii) Categories SF-6 to SF-11 Rs. 1,025,000/-
- iii) **Candidates applying against more than one category under Self Finance Scheme may only deposit Self Finance Fee for any one category. In case of difference in amount of Self Finance, the highest amount needs to be deposited.**

8.3 SECURITY DEPOSIT

Security deposit** of Rs.14,000/- is included in the admission fee to compensate breakage and or any other damage, if any, caused by the student. This deposit or such balance as may be available out of it, shall be refunded to the student whenever he/she ceases to be student of the University.

** For TIEST Rs 15,295/-

8.4 MISCELLANEOUS FEE

Document	Ordinary	Urgent
a) Mark Certificate	Rs. 1,750/-	Rs. 3,000/-
b) Transcript	Rs. 2,000/-	Rs. 4,500/-
c) Degree	Rs. 3,450/-	Rs. 6,900/-
d) Duplicate Degree	Rs.10,350/-	Rs.20,700/-
e) Provisional Certificate	Rs. 4,500/-	
f) Re-totaling of Answer Book (per script)	Rs. 2,500/-	

8.5 HOSTEL CHARGES

(No boarding will be provided by the University; however, canteen facilities are available. Karachi resident are not eligible)

1. Muhammad Bin Qasim Hostel I & II & Girls Hostel:

- (a) **Room Rent**
- i) Cubicle Rs.1,035/- per month
- ii) Dormitory Rs. 805/- per month
- (b) **Service Charges** Rs.1,035/- per month

2. International Hostel:

- Dormitory Rs.7,000/- per month

3. New Building:

- Dormitory Rs.3,000/- per month

4. Hostel Security Deposit (Refundable):

- i) For Locals Rs.5,000/-
- ii) For Foreigners Rs.20,000/-

NB: All hostel charges will be taken in advance on semester basis.



8.6 FEE REFUND POLICY

8.6.1 Admission Fee

Any student after being admitted requests for cancellation of admission shall have refund of his/her paid fee dealt as under:

- In case of applying for cancellation of admission and refund of fee before commencement of classes shall have all fee refunded except of Admission and Medical Examination Fee.
- In case of applying for cancellation of admission and refund of fee during first week of commencement of classes shall have 50% of the rest of fee refunded whereas the security deposit will be completely refunded; however, his/her Admission and Medical Examination Fee shall be forfeited.
- In case of applying for cancellation of admission after first week of commencement of classes shall ONLY have the security deposit refunded.

8.6.2 Self-Finance Fee

After being provisionally admitted under self-finance category, the Self-Finance fee refund will be as under:

- In case of admitted student applying for cancellation of his / her admission and refund of fee before

commencement of classes shall have all self-finance fee refunded.

- In case of applying for cancellation of admission and after commencement of classes shall have 50% of Self-Finance amount deducted. In any case, the request for such cancellation of admission should reach to Registrar Office before commencement of Mid-Term Examination of First Year-Fall Semester.
- Those candidates having failed to secure minimum marks percentage in HSC or equivalent Examinations i.e., 60% for all engineering, architecture and CT Programmes (55% of the rest of BS Programmes) shall have an amount equivalent to 5% of Self-Finance shall be deducted.

8.7 OTHER EXPENSES

- The student may find it convenient to own some books of fundamental nature which help him not only in the First Year but throughout his/her stay at the University and even beyond. Judicious purchase of such books with the guidance of his/her teachers is recommended. An outlay of about Rs.25,000/- in the first instance for books and stationery should generally be adequate. In addition, he is expected to own drawing instruments, scientific calculator and sets of tools which may require additional Rs.10,000/-.



9.1 ASSISTANCE SCHOLARSHIP

- The Assistance Scholarship is awarded subject to availability of funds to provide monetary assistance to needy students and is of the value of Rs.5000/-per annum.
- The Vice-Chancellor shall have the discretion to select students for award of Assistance Scholarship by taking into consideration the financial and other circumstances, the academic record and conduct of the students.

9.2 SCHOLARSHIPS

Various Scholarships are available for the meritorious and deserving students of this University. Previous year,

approximately 1766 Scholarships (Higher Education Commission (HEC) / Private / Government Funded Scholarships) have been disbursed to the students of different disciplines.

NB: Absence from or failure in a University Examination, lack of progress and assiduity in studies, breach of discipline or reprehensible conduct shall entail the loss of scholarships granted to any student.

9.3 MERIT GOLD MEDALS & CERTIFICATES

A Merit Gold Medal will be awarded by the University to each student securing the first position, in order of merit at the final of all Bachelor's Degree Examinations.





10.1 ENGR. ABUL KALAM LIBRARY

Since its inception in the City Campus, Engr. Abul Kalam Library <https://eakl.neduet.edu.pk/> has grown to become one of the leading academic libraries particularly focusing engineering, sciences and technology of the country. The library devotes considerable efforts and resources to the development of an outstanding library collection to meet the needs of the students, faculty members and researchers of the University. Services and facilities of the library are governed by the library regulations. The Library has its Mobile App “AMBITION” available on Google Play Store. It provides the Library OPAC and online library services.

The Library comprises of two buildings adjacent to each other. The reference and administrative building consists of three floors having numerous seating capacity for the library users. The building adjacent to this comprises of with Circulation Section on the ground. Departmental libraries have also been setup in remote campuses; City Campus, LEJ Campus, TIEST Campus as well as selected teaching departments at main campus.

Library collection is the impressive blend of traditional information resources and scholarly electronic resources. The collection includes:

- Textbooks of common interests.
- Reference books including encyclopedias, handbooks, dictionaries, manuals etc.
- Periodicals on current lists of subscription as well as volumes of back issues of local and international scholarly journals; magazine and newspapers.
- Government documents & Archive material including Acts and Ordinances, Services Rules, Statistical reports, Census reports, Survey reports, Planning reports, Budgets etc.
- Non book materials, CD-ROMs, DVDs etc.
- Digital contents including databases of e-books, e-journals, e-thesis, e-dissertations etc.

Reference Section provides reading / reference services to the library patrons. Textbooks and reference materials including audio visual material, periodicals and government documents are restricted to be used within the premises. The collection is secured against theft using state-of-the-art RFID security gates and surveillance CCTV cameras. Library has a separate bag deposit room at the main entrance of the Library.

The library provides book lending services through the Circulation Section to students, faculty members, researchers and other employees of the University as per rules laid down. The section also comprises of Anila Azam Reading Room. However, the Book Bank caters undergraduate students only and provides textbooks on rental basis for entire semester. The library also conducts Library Orientation to new comers and organizes Book Fair annually.

The library keeping pace with emerging technologies has its own Koha: Library Management System including Website, Library OPAC and Portal Services. Wi-Fi access points and Digital Notice Board are also available to facilitate the library users. The Health, Safety, Environment initiatives include fire alarm and emergency exits, wheelchair ramp for disable persons, first aid for people moving in the Library.

A computing facility comprising of latest configuration computers provides digital services to its users such as access to e-books and e-journals through the National Digital Library Program of HEC. All these resources are accessible in the campuses as well as from home through the NED VPN. Further, internet, printing, scanning facilities including copying facility of e-contents of non-book material are also available in the Library.

The library is committed to providing a pleasant, user-oriented learning environment for its users. Its endeavors are to make its resources available and useful to its users and to sustain and preserve a universal collection of knowledge for future generations.

10.2 INFORMATION TECHNOLOGY (IT) DEPARTMENT

The University has its own Internet facility managed by its Information Technology (IT) Department (formerly Internet Centre) established in 1998-99. The Information Technology (IT) Department since its establishment has played a pivotal role in developing the varsity's I.T. infrastructure by providing robust Internet facility to its users within and outside of its campuses. The department is equipped with the state of the art networking equipment and acts as a central IT hub providing services like Internet, CMS, Web, Network Operations and Support Services round the clock. Continuing the expedition in producing the best in the Country, this Department also hosts corporate training for its faculty and staff along with the video conferencing facility enabling its Faculty and Students to join the rest of the Engineering and Technological hubs of the world.

10.2.1 NETWORK & HARDWARE Internet Facility

Internet as the sole of research and education is also considered the bedrock of learning by NED. Coping up with the ever growing technology standards, the university continuously extends its services and infrastructure. Currently the university boasts a bandwidth of over 750Mbps along with highlighted infrastructure and services as under;

- **Data Centre:** NED University has transformed its network and data services by establishing its state of the art Data Centre. The data Centre comprises of 5 server racks along with 3 network racks. Capable to host 90 servers with 4.8Gbps bandwidth connectivity per rack. The sole aim is to provide efficient services while ensuring high standards.
- **FO LAN:** State of the art Optical Fibre LAN to every facility in the university.
- **Broadband connectivity:** Robust high bandwidth connectivity for every connected user (upto 8 mbps).
- **Smart University:** HEC Smart University campus wide WiFi giving robust secure Broadband connectivity to the users (students, faculty and staff) to all users of Main campus, LEJ and City Campus.





- **Inter Campus connectivity:** All remote campuses (LEJ, City) and the constituent college Tiest are all connected over VPN to the Main Campus thus providing all Extranet/Intranet facilities as in the Main campus.
- **NEDUET VPN:** VPN for researchers and students giving secure access to HEC Digital Library and NEDUET Portal services.

10.2.2 Online Learning Management System

Pioneering the policy for online higher education; NED has not only transformed its teaching mechanism for online delivery but also played a pivotal role in devising the overall online teaching strategy at the national level through HEC. During the pandemic, turning the problem in to an opportunity the NED had transformed its education system and policies according to the demanding situation of online distance learning. A well-orchestrated plan of technology deployment (termed as NEDUET LMS combining GSuite, NED Portal, NED VPN etc.), training and adoption by faculty while focusing on the development quality digital content, its timely delivery in addition to modified examination policies enabled quality education to the students, their proper participation and analysing the overall outcome in terms of examination.

10.2.3 Hardware Maintenance and Inventory

Department also provides hardware and software support services in addition to managing hardware inventory and technical feasibility services.

10.2.4 Video Conferencing Facility

This University has a centrally located Video Conferencing Facility Centre through which NEDUET connects to any part of the world, locally and Internationally to connect and communicate with video and voice facility for the arrangement of virtual classes (online classes), conferences, seminars, Internet meetings (video conferences) among multiple locations, as and when required. This facility is available round the clock.

10.2.5 Information Systems and Software Section

The IT Department focuses on delivering state-of-the-art software using Agile Methodology with Faster Development time and uncompromising integrity, some of them are as follows; Undergraduate and Postgraduate Students Management System, Human Resource Management System, Attendance Information System, Shuttle Pass System, Hostel Management System, LTV Management System, Security Operations Management System, Statutory Bodies Management System, Academic Performance Monitoring System, Scholarships Management System and Internship management system. A part from MIS several web based applications are also developed by IT department which are playing vital role in automation of some core university processes e.g. Online semester registration of undergraduate and postgraduate, online feedback collection of undergraduate and postgraduate and Online Admissions. This comprehensive and

sophisticated development effort as a whole is termed as NEDUET Campus Management System (NEDUET-CMS).

To access information contained within CMS, Every employee and student on Intranet uses a front end interface known as NEDUET Campus Portal. NEDUET Portal is a 24/7 service. Portal works on the principle of Single sign on for multiple applications with personalized, secure, and robust and role based access management.

With the aim of facilitating Undergraduate students, Portal dedicated online Students Interface is enriched with the following features:

- Availability of Personal and Academic Profile
- Subject wise to-date Attendance Status
- Classes and Examination Schedules
- Special announcements from course Teachers
- Access to study material uploaded by course teacher
- Access to Personal letters issued from Registrar Office
- Availability of Portal Notice Board showing recent notifications and announcements from Registrar Office.
- Option to apply/track/withdraw online for the posted internships
- Semester registration details of regular and backlog courses
- Online feedback of course, teacher and learning resources
- Availability of Admit card and Transcript by integrations with Examination portal.

10.2.6 Research & Development Section

The Research & Development Section of IT Department working with main objective of providing a centralized high performance parallel computing facility to the entire University in particular and to the universities of Pakistan in general, for Research and Development in any of the Engineering disciplines. The facilities are primarily meant to be utilized at the postgraduate and PhD level. It has, therefore, been facilitated with the most advanced hardware and software keeping in view the Research and Development needs of the country in virtually all the engineering disciplines. High-end workstations with excellent graphics support and computational power are available for the researchers to assist them in their research work.

The University has the distinction of being the first Public Sector University of configuring and developing its own Linux based 50 nodes cluster with the technical assistance of its own IT force. The system was developed in the year 2003 and became functional in 2004. The State-of-the-art hardware that includes Intel Xeon processors, Gigabit Ethernet connectivity, high-tech system as well as management software has been used for Cluster development that provides tremendous increase in performance and throughput. The System is capable of executing complex engineering problems efficiently and with great accuracy. This facility has enabled researchers and creative professionals to exploit heavy computational and bandwidth-conscious software like Fluent, Ansys, MATLAB, Cadence, OPNET etc., and perform heavy simulations and modelling exercises with ease. Recently, one new high performance computing cluster based on 64-bit architecture has been developed. The latest core processors





technologies with branded high tech systems are procured. This cluster is now fully functional. With storage capacity of these systems reaching terabyte (TB) and memory capacity in gigabyte (GB), the computation on these are producing fast results.

All facilities available at the Centre can be accessed on campus over the University LAN and it can also be accessed from remote locations. The centre also extends its service to the engineering industry and other professional organizations involved in Research and development work.

The section also has a very large database of multidisciplinary software with a high number of licenses for some distinct software. Several of these softwares have the feature of executing tasks in parallel and utilizing the computing power of our clusters. The software repository will attract the research to pursue their academics research using these softwares under the terms and conditions of NED University. In addition, Research & Development section also has a training facility where seminars and workshops related to different software are conducted throughout the year for the faculty and students of the University.

10.3 INSTRUMENTATION CENTRE

A state-of-the-art Instrumentation Centre is functioning at the University which was established under a grant provided by the Higher Education Commission (HEC). Its capabilities include calibration of multi-meters, energy meters, circuit breaker testing, pressure/ temperature gauges, water quality, etc. The Centre has well equipped facilities and the necessary expertise for performing calibration activities, testing and analysis service, corporate training related to instrumentation, and design services for the local industry as well as other academic institutions in the country. Services of the instrumentation centre are subscribed by multinational and national companies operating in Karachi as well as other universities present across Pakistan. It also provides training to undergraduate and postgraduate students, and assists Undergraduate students in undertaking final year projects of various disciplines. In addition, it assists other University departments in their R&D activities as well. The Centre comprises of various well-equipped Laboratories such as Electronics and Signals Lab, Pressure and Temperature lab, Equipment Testing Lab, Water Quality and Weight Lab and a Virtual Instrumentation Lab. In particular, the Virtual Instrumentation Lab is equipped with world renowned National Instruments' (NI) LabVIEW system which helps engineers in basic data acquisition and signal processing as well as more complex embedded monitoring and control applications. The NED University lays emphasis on efforts in contribution towards research and improvement in quality of its human resource by providing good and up-to-dated facilities for utilisation by its student, academicians and researchers. The Instrumentation Centre is one such effort.

The Centre comprises of various well-equipped Laboratories such as Electronics and Signals Lab, Pressure and Temperature Lab, Equipment Testing Lab, Water Quality and Weight Lab and a Virtual Instrumentation Lab.

In particular, the Virtual Instrumentation Lab is equipped with world renowned National Instruments' (NI) Labview system which helps engineers in basic data acquisition and signal processing as well as more complex embedded monitoring and control **applications**. For formal classroom lectures, a small but well-equipped Training Facility also exists.

The NED University lays emphasis on efforts in contribution towards research and improvement in quality of its human resource by providing good and up-to-dated facilities for utilisation by its student, academicians and researchers. The Instrumentation Centre is one such effort.

10.4 NED ACADEMY

The Training Wing, NED University of Engineering & Technology, with a clear goal of "Grooming Professional Leaders for Tomorrow". NED Academy caters to educational and professional training needs for continuously upgrading youth and working professionals. NED Academy promises ambitious learners belonging to any educational background and at any level a chance to choose, broaden, and enhance their careers. The opportunities provided through our courses ensure professional excellence for anyone ambitious with life goals. NED Academy stands for not only professionally sound education but also believes in creating multi-talented profiles that have the flexibility and depth to be oriented easily toward the ever-changing dynamics of professional deliverance via working with techno-managerial skills along with leadership & entrepreneurial skills to achieve personal, and professional, organizational and national success.

OBJECTIVES OF NED ACADEMY

- Updating professionals with state-of-the-art developments in engineering/sciences/technology/engineering management/leadership skills/ Digital skills/ soft skills/ CAD & CAE skills/ linguistic/ entrepreneurship etc.
- Providing learning opportunities for improving career growth and making our professionals globally competitive
- Providing hands-on learning opportunities for vocational and technical training to improve industry employability & growth
- Offering structured courses, certification programs, international exam preparations, undergraduate and postgraduate diplomas, and other programmes in market-oriented disciplines for the creation as well as sustainable development of globally competitive human capital.

ACADEMY CONTRIBUTIONS TOWARDS SOCIO-ECONOMIC DEVELOPMENT OF PAKISTAN

NED Academy is endeavoring to create the mindset and right human capital at all levels starting from our youth to our engineers to other professionals to top leaders of technical or non-technical organizations. With this spirit, we have our door open for all types of audiences including the underprivileged and endorse who lack finances to support their development and career progression. To achieve the same NED Academy always





reaches out to our alumni and philanthropists to help NED Academy to develop a sustainable mechanism for not only managing the training cost of such an audience but also enhancing the effectiveness of academy ventures by institutionalizing state-of-the-art labs, smart classrooms, online training setups, virtual training setups, etc. We already have a financial assistance mechanism for supporting the financially constrained participants with limited funding coming from external sources. We strongly believe that with continuous support by NED Alumni and other philanthropists, NED Academy can create a much larger impact on the socio-economic front than what it has been able to achieve now.

CENTRES OF NED ACADEMY

Centre of Continuing Engineering Education (CCEE)

Centre for Continuing Engineering Education, the most active wing of NED Academy enables professionals to attain higher levels of research, teaching, and industrial cooperation for technical leaders for constant learning by empowering them with the relevant knowledge, skills, techniques, and technology base to help them outshine in their careers. It brings together new practitioners, technologies, and experiences for the mutual benefit of all concerned. CCEE regularly conducts short courses to update engineers, and professionals with recent developments in engineering, management, IT, and Sciences. It provides opportunities for working engineers to improve their qualifications to meet the professional body's registration level after successful completion and to enhance their skills to improve employability.

Centre for Multidisciplinary Postgraduate Programmes (CMPP)

Centre for Multidisciplinary Postgraduate Programmes facilitates executives, mid-career phase, and novice professionals to the next level of excellence. The center offers more than thirty-five Postgraduate Diplomas (PGDs) and more than fifty Postgraduate Certificates (PGCs) in a range of diversified and highly sought-after disciplines including Computer Science & IT, Engineering, Engineering Management, Management Sciences, Textile & Garment, Basic sciences, English Linguistics, and English Language Teaching. The center has remarkably expanded its scope and programmes since 2020 and continuously endeavors to broaden its horizon to cater to the needs of the national and international professional community.

KEY DOMAINS OF NED ACADEMY

NED Academy, a name of guaranteed excellence, is well aware of the challenges faced by graduates and professionals in the real world. To assist them in conquering these hurdles, NED Academy conducts a series of programmes in various domains. Some of them are as follows:

- Professional Short Courses
- Career Advancement Certifications

- Postgraduate Certificate Courses
- Postgraduate / Undergraduate Diploma Programmes
- Corporate / In-house Trainings
- Professional / International Certifications
- Software based Training / CAD / CAE
- Technical Courses / Hands-on Trainings / Vocational Trainings
- Youth Engagement & Development Programmes
- Leadership Trainings
- Managerial Trainings
- Executive Trainings
- Soft-Skills Certifications

10.5 COWASJEE EARTHQUAKE STUDY CENTRE

Cowasjee Earthquake Study Centre (CESNED) was established in 2001 after the devastating Bhuj earthquake. The Centre is currently administered by the Department of Earthquake Engineering. The objectives of this centre include (a) housing national and global data pertaining to earthquake; (b) to act as a centre for disseminating accumulated knowledge; (c) to respond to the emergency needs; and (d) be able to providing guiding principles for pre and post disaster earthquake mitigation. It has become a hub of the earthquake related activities with time. The vital role played by CESNED after the 2005 Kashmir earthquake led to its recognition as one of the two earthquake study centres in the Country.

10.6 SHAKE TABLE TESTING FACILITY

The Shake Table laboratory is a state-of-the-art facility which is available in the Department of Earthquake Engineering. The facility is used to simulate real time earthquake ground motion to record the dynamic response of a given structure placed on the table.

10.7 ADVANCED MATERIAL TESTING FACILITY

The Advanced Material Testing laboratory is a state-of-the-art facility which is administered by the Department of Earthquake Engineering. The facility is used to conduct full scale static and pseudo dynamic testing of various structural components of buildings and bridges.

10.8 PCB FABRICATION LABORATORY

A PCB fabrication Laboratory is available in the Department of Electronic Engineering. This is primarily for training and facilitating under-graduate students in PCB fabrication technology. The laboratory is supported by PCB layout design software and auto routing software. The graduating students with this experience are expected to benefit in their professional field. The Laboratory is being used for fabrication of PCB for local requirement and possibilities of taking orders for external agencies is being examined.





10.9 PRODUCT DEVELOPMENT CENTRE

Additive manufacturing technologies, more commonly known as "Rapid Prototyping" or "3D Printing" have been used by design and manufacturing organizations for concept modeling and prototyping as well as for various applications such as jigs, fixtures, check gauges, and even as a bridge-to-tooling and low-volume end-use parts. Emergence of these technologies have led manufacturing organizations to reduce their product development cycle time and improve product quality and customization. Global acceptance and application of these technologies have put the manufacturing industries of Pakistan to face strong challenges in terms of high-quality product development processes.

The Product Development Centre (PDC) of NED University has been equipped with state-of-the-art equipment and tools that enable complete reverse engineering and additive manufacturing of products. The equipment available at PDC includes a Faro Arm and a Laser Scanner for reverse engineering of products and a Fused Deposition Modeling (FDM) machine alongwith a vacuum casting equipment to build parts directly from CAD data (i.e. tool-less manner). Different CAD packages are also used to complete the process of product development.

10.10 DIRECTORATE OF INDUSTRIAL LIAISON

The Directorate of Industrial Liaison (DIL) was established at NED University of Engineering & Technology in 1997 with the primary aim of fostering and strengthening University-industry connections through various initiatives such as internships, study visits, final year projects, and job placements. objectives of DIL are to create and enhance the required University-industry Linkages in the form of various activities like activities like internships, study visits, final year projects and job placements.

DIL has been actively involved in organizing internship opportunities for student during vacation periods across different organizations and industries as per academic calendar.

The Cooperative Education Program, which integrates classroom education with practical work experience, addresses the gap between academic curriculum and industrial practices. Through this program, students from their first year undergo industrial training alongside their studies, facilitating a smoother transition from education to employment. Meritorious students will continue to do internship during their semester breaks until graduation.

Additionally, DIL arranges regular study visits for students and faculty to gain practical exposure to various industries. It also provides assistance to organizations in terms of research and expert engineering services through teaching faculty.

DIL plays a pivotal role in a facilitating final year design projects by collecting topics and arranging technical assistance from industries. It encourages on-campus hiring activities and provides support to prospective employers for recruitment processes. Various multinational companies, overseas employers, local business groups and small and medium enterprises (SMEs) benefits from these services.

To bridge the gap between academia and industry further, DIL has developed a LinkedIn page to connect students with companies and industries, facilitating professional networking and career development. Additionally, it shares Graduate Directories with employers, organizes career fairs, pre-employment orientation programs, and online carer counseling sessions tailored to meet the diverse needs of university students.

In its commitment to promote the engineering profession, DIL has also signed Memorandum of Understanding (MoUs) with various industrial organizations to establish long-term collaboration and cooperation frameworks for training, consultancy, research and development, benefiting both parties and positively impacting society and the environment.

10.11 OFFICE OF RESEARCH, INNOVATION AND COMMERCIALIZATION (ORIC)

The Office of Research, Innovation and Commercialization (ORIC) at NED University (ORIC-NEDUET) was established with an aim to provide strategic vision and operational support to the University's research activities. From its inception, ORIC is committed to play an active role in facilitating the University's research and encourage the faculty and students to contribute and share in promoting goal-oriented research activities. ORIC also aims to act as a catalyst for the transformation of knowledge towards invention and innovation and its subsequent commercialization leading to a positive impact on the welfare and well-being of our nation. The ORIC-NEDUET is ranked in 'W' (Top Ranking) by Higher Education Commission (HEC) of Pakistan with highest points in 'Research Excellence' among Pakistani Universities.

10.11.1 Objectives

Since its inception, ORIC has adopted its mandate to enhance the environment for all research commercialization and innovation activities: Following are the core objectives of ORIC:

1. Developing the university's strategic research and commercialization directions and policies
2. Increasing and diversifying research funding
3. Improving integration of research and education
4. Strengthening university-industry relationship
5. Promoting entrepreneurship and business development through its Business Incubation Center (BIC)
6. Protecting University's intellectual property and implement approved policies pertaining to research commercialization and business development





10.11.2 Initiatives and Activities

In pursuance of the Vice Chancellor's directives for the management of research initiatives and Programmes, ORIC has worked to re-enforce the existing research and development activities at NED University. Many activities were planned and successfully executed for sustaining and improving the research, innovation and commercialization having an impact for the improvement of areas concerning economic, industrial and academic development and their accelerated advancements for achieving the national objectives.

10.11.3 Organizational Support

In order to maintain an environment conducive for the generation of knowledge and to provide recognition to individual inventors, encouraging the development and dissemination of useful inventions to society, ORIC has gotten approved the University's Intellectual Property Policy and Collaborative Research Policies from relevant statutory bodies. Besides, ORIC has also developed a comprehensive NED-Research Strategic plan which presents a holistic overview of the NEDUET research and innovation activities and provides a guideline for technology development and its subsequent commercialization.

10.11.4 Research, Innovation and Technology Commercialization

ORIC-NEDUET primarily manages the following:

- 1) Research Grants Management,
- 2) Research Linkages, Coordination and Networking
- 3) RIC Policy and IP Legislation
- 4) Patents, Trademarks and Design
- 5) Commercialization and IP Licensing
- 6) Innovation and Commercialization Linkages, Coordination and Networking.
- 7) Sustainability
- 8) Training, Mentoring and Workshops
- 9) Promoting Technology Transfer between NEDUET and Industry

Our mission is to promote the transfer of NED University ready to commercialize technologies for society's use & impact and benefit while generating unrestricted income to further support research and education. Technology Transfer/IP Office receives invention disclosures from faculty, staff and students. TTO at ORIC evaluate these disclosures for their commercial possibilities, and when possible license them to industry. If the inventions are successfully licensed, cash royalties collected by ORIC provide funding to the inventors' departments and schools, as well as personal shares for the inventors themselves. Technology is typically transferred through an agreement in which NED grants to a third party a license to use NED's intellectual property rights in the defined technology with exclusive/non-exclusive rights. The intellectual property office at ORIC is established to manage inventions created by faculty, staff and students. The office provides complete management from evaluation to protecting the inventions. When you submit an Invention Disclosure Form to the IPO section of ORIC, it is assigned

to a IP Manager within one week of submission. Each disclosure is then evaluated for commercial potential and patentability by TTO. With input from the steering committee of ORIC, inventors, assessment of patentability is performed by the technology transfer manager in consultation with patent attorneys and/or literature search specialists. IP section at ORIC provide filling services for the Patents, Copyrights, Trademarks, Industrial Design. For the commercialization of the laboratory facilities available within NED University, ORIC has launched a Lab Commercialization Programme. Under this Programme ORIC is closely working with more than 28 Research centers across the university including state of the art National Research Centers as follows:

- 1) National Center for Robotics and Automation (NCRA)
- 2) National Center for Artificial Intelligence (NCAI)
- 3) National Center for Cyber Security (NCCS)
- 4) National Center for Big Data and Cloud Computing (NCBC)

10.11.5 ORIC Capacity Building Initiatives

ORIC organizes seminars, workshops, and trainings for the students and faculty members on various aspects of R&D, IP and commercialization. For this purpose, ORIC has collaborated with relevant organizations like HEC, HEDP, i2i, IPO, WIPO etc., to take on board experts for conducting training and capacity building exercises.

10.11.6 Industry and Institutional linkages for Commercialization

It is a strong belief of ORIC that Industry-University collaboration can be mutually beneficial by combining the best academic thinking with the expertise of industry. In this regard, Director ORIC and his team is heavily connected with Industries and Industrial Trade Associations across the Country. There is a strong intent in the NED faculty and students to participate extensively in collaborative research Programmes with the industries which may lead to successful technology transfer upon conclusion. In order to establish and strengthen University Industry collaborations to stimulate industrial research, ORIC has been engaged with different industries, organization and companies bringing projects in the university as per the industry needs for locally manufactured R&D solution and offering students with project apprenticeship. Moreover, ORIC is actively facilitating the inventors in seeking industrial partners to transfer their developed technology or product.

The purpose of Institutional collaborations is to promote mutual understanding and scholarly alliance by supporting academic and research activities among faculty and students. Specific areas of cooperation between institutions are multi-disciplinary Joint research, applying for funding for joint research, Publication jointly authored by the faculty, Exchange of academic materials and other information; Jointly patenting the product that may produce as a result of joint research, Leveraging research and network of subject matter experts, Access to the state-of-the-art labs of two universities for research purpose, Develop opportunities for exchange of trainings, conferences, workshops and academic meetings, Support commercialization activities of partnered institutions within the scope of work.





10.11.7 Business Incubation Centre (BIC)

NED University of Engineering and Technology with the vision of becoming the first entrepreneurial university in the region developed its Business Incubation Centre (BIC) in 2015. BIC is an initiative to create an ecosystem for incubating Tech Start-Ups, particularly in the field of engineering. It aims to assist engineering students shape their innovative idea into revenue generating business model whilst giving opportunities to commercial partners for investing in businesses that have potential to lead the new industrial trends. BIC-NEDUET is mainly focused on innovative ideas and engineering projects, which generate far more value than other categories of startups. With most wealth generated by technology companies as of today, BIC seeks to improve Pakistan's economic standing by leading future tech startups within this country. BIC aims to capitalize the latest technological trends with the large engineering talent available at NEDUET's disposal and lead the future industry trends in the country. Being a business incubator, BIC's main goal is to produce successful firms that will leave the program financially viable and freestanding. BIC graduates have the potential to create jobs, revitalize neighborhoods, commercialize new technologies, and strengthen local and national economies.

The aim of BIC-NEDUET to create a vibrant and sustainable ecosystem on University campus for nurturing and enrichment of Creativity, Innovation and Entrepreneurship. We are committed to nurture and support creativity, innovation and entrepreneurship amongst students, faculty members and other aspirants for establishment and growth of technology businesses to meet the social obligations and economic growth of our communities.

BIC, in partnership with relevant institutions and industrial representation execute capacity building exercises throughout the year. Our long-lasting partners include SMEDA, i2i, HEC, HEDP, Shell Tameer, Stimulus Pvt. Ltd etc. BIC operations and programmes include but not limited to:

- **Pre-Incubation Programme under National Idea Lab (NIL):** BIC executes annual pre-incubation programme targeted to hatchery level or idea level startup teams or individuals. This programme includes ideation, problem formulation, prototyping, business plan development, team formulation.
- **Incubation Programme:** BIC executes annual incubation programme where the incubated startups go through various capacity building exercises like business development, go to market strategy, financial management, company registration and legal aspects about running business, customer segmentation etc. The programme is targeted to facilitate startups in enter market successfully and start generating revenue. Successful startups may even reach a stage where they may opt to proceed with pre-seed/seed funding.

- **Post-incubation support for startup grants and funds:** BIC-NEDUET has had the privilege to support startups in competing on national level seed funds and pre-seed funds opportunities like Innovator Seed Fund, National Idea Bank, PM National Innovation Award, Shell Tameer Awards etc. BIC upon need also facilitate in managing seed fund grants in coordination with funding agencies and startup awardees.
- **NED Entrepreneurship Society (NES):** NES at NEDUET operates under BIC and this society is responsible for raising general awareness on the promises and potentials of entrepreneurship through workshops, seminars, boot camps, and competitions targeted to engage the students of NEDUET.
- **Campus Companies:** Campus Companies is an initiative under ORIC that enables students to operate and establish their businesses in the boundaries of NED University, whilst providing services and products on-campus.

10.12 DIRECTORATE OF UNIVERSITY ADVANCEMENT & FINANCIAL ASSISTANCE

Directorate of University Advancement & Financial Assistance was established at NED University of Engineering & Technology in May 2013. This Directorate is housed in Old VC Office (Second Floor). The basic objectives of establishing this Directorate were to:

- Achieve financial stability through fund raising
- Strengthen University Advancement Programme
- Strengthen the quality of academic programme
- Increase and enhance the visibility and awareness of the University to the community at large and to all stakeholders

In addition to above, the UA & FA seeks to help the students, faculty, staff, alumni and friends of the University to have pride and satisfaction in having connections to the University – today, tomorrow and in fact for lifetime.

10.13 MEDICAL DEPARTMENT

Medical Department is located next to Humanities Department of this University. It is administered by Principal Medical Officer, accompanied by a Male Medical Officer and a Lady Medical Officer at Main Campus. Paramedical services are also being provided by one male and two female nurses in this department.

A colony resident qualified female nurse and an ambulance service for 24/7 are available for students and even after university working hours for hostellers, as well. Two peripheral Medical sub centres are located at LEJ and City Campuses. Paramedical coverage is available at both campuses.





There are numerous diagnostics & therapeutic modalities available in Medical Department. Emergency/ routine Outpatient Department Service (OPD), Pathological, Radiological and Electrocardiographic tests as well as ambulance facilities are available. These services are free of charges for students. .

Similarly, therapeutic support in the form of Airway, Breathing and Circulatory (ABC) assistance as well as outpatient facilities are available at both peripheral Medical Sub-Centers, i.e. City and LEJ Campuses.

10.14 STUDENT AFFAIRS DEPARTMENT

The Department of Student Affairs (DSA) is situated at first floor of Students Facilitation Centre with the aim to facilitate the students throughout their stay at this academia through a wide range of activities, services and resources that are provided to students related with their academic, co-curricular and professional pursuits. DSA offers following services to the students:

- Provides scholarships to the deserving students through Private Funded Donors, HEC and Ehsaas Scholarship, Government Funded Scholarship, etc as mentioned in Chapter 9.
- Student societies working under this department which organizes numerous activities and events as mentioned in chapter 11.
- Organizes various sports activities as mentioned at 10.15.4.
- Students are facilitated with bus passes on nominal charges as well as with concession on travelling fare for train and plane.
- Eight Canteens, six Photostat shops and one stationary shop are functioning under the supervision of this department to provide hygienic and quality food, photocopies and general stationary items on reasonable rates.
- Girls Common Room facilities (GCR) are maintained and furnished with necessary comfort for female students.
- DSA issues Clearance Certificate to outgoing students, and also facilitates the students by attesting academic documents of the students for PEC Registration and Higher Studies.

10.15 OTHER STUDENTS FACILITIES

10.15.1 Duty Society

The Society gives interest free loans to the students in need of financial help. The terms of such loans and Application Forms may be obtained from the Secretary of the Society..

10.15.2 Plain Paper Copiers

Copies of documents can be obtained from PPC at nominal cost.

10.15.3 NED Stationery Shop

There is a NED Stationary Store on the Campus for meeting the general stationary requirements of the students. It works on a no-profit basis under the supervision of Department of Students Affairs via tender process from concerned department of this University.

10.15.4 Sports Facilities

Sports Section was established at NED University in 1978, that is functioning under the Control of Students' Affairs Department. The facilities provided by the section are:

- Boys' Gymnasium
- Girls' Gymnasium (with Fitness Centre)
- Boys' Fitness Centre
- Squash Complex
- Out Door Basketball Courts
- Tennis Court
- Cricket Ground (with Turf & Flood Light)
- Synthetic Football Ground
- International Standard Synthetic Athletic Track

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

10.15.5 Hostel Facilities

The University has following residential Hostels for Boys/ Girls situated adjacent to the Main Campus:

1. Muhammad Bin Qasim Hostel I & II and one Hostel for girls situated adjacent to the Staff Colony in Main Campus with the capacity of 35 Dormitory rooms and 20 cubicle rooms in MBQ-I Hostel and 72 Dormitory rooms and 48 Cubicle rooms in MQB-II Hostel whereas 20 dormitory rooms are in Girls Hostel.
2. International Hostel with the capacity of 55 Dormitory Rooms.

The hostel has the following common facilities: Common Room, Prayer Hall, Warden's Office. The accommodation in the residential Hostels is mainly for non-residents of Karachi and is allocated on first come-first-serve basis.

Fresh entrant for accommodation in the Hostel is required to apply online submission of application for Hostel admission is NOT Guarantee for allotment in the Hostel. Resident students are required to comply with all conditions of residence as prescribed by the University.



10.15.6 Boys' Common Room

The Boys' Common Room is provided with the facilities of indoor games, telephone and necessary reading material.

10.15.7 Girls' Common Room

A Girls' Common Room is also available. It is properly furnished with necessary comforts such as attached bath / powder room. A maid servant is also provided to the girls' common room.

10.15.8 Transport

Shuttle Bus transport may be provided by the University from convenient points. The places and charges are determined by the University and notified as such.

10.15.9 Accessibility

All students are provided an inclusive and accessible campus environment. NED University facilities are designed to accommodate diverse needs, ensuring smooth mobility and ease of access for all individuals. We continue to foster an inclusive atmosphere that empowers every student to thrive and succeed.

10.15.10 Ethical Values

NED University students are equally responsible in upholding ethical values throughout the campuses. The students are encouraged to actively embrace honesty, respect, and fairness, making ethical decisions in their academic pursuits and interactions with others. By taking ownership of their actions, NED University students contribute to fostering an environment of integrity and mutual respect where ever they are.



11.1 STUDENTS' SOCIETIES

The extra and co-curricular activities of students function under following societies:

- i) Society for the promotion of Science, Engineering and Technology (SENTEC)
- ii) Literary and Publication Society (LPS)
- iii) Debating Society (DS)
- iv) Member of Society of Arts and Intellectual Creativity (MOSAIC)
- v) Pakistan Society (PS)
- vi) Green Society (GS)
- vii) Girls Affairs Society (GIFT)
- viii) NED Photography Society (NPS)
- ix) NED SMS Alert (NSA)
- X) The NEDians Forum Society (TNF)

Each society is supervised by a teacher as adviser. In addition, University sports are managed through Manager Physical Education.

11.2 STUDENT CHAPTERS OF PROFESSIONAL BODIES

Student chapters of following Professional Bodies are also established which organise events throughout the year:

- i) American Society of Heating Refrigeration and Air-Conditioning Engineers (ASHRAE)
- ii) American Society of Mechanical Engineers (ASME)
- iii) Society of Manufacturing Engineers (SME)
- iv) Society of Petroleum Engineers (SPE)
- v) American Concrete Institute (ACI)
- vi) Institute of Mechanical Engineers (IMechE)
- vii) NED Materials Society (NMS)
- viii) Metallurgical Engineering Society (MES)
- ix) Society for Chemical Engineering (SCHEME)
- x) Society of Polymer & Petrochemical Engineers (SPPE)





12.1 GENERAL RULES

- i) All students of the University shall conform to the Rules and Regulations of the University and are under overall disciplinary control of the Vice-Chancellor.
- ii) Breach of rules, misconduct, irregularity in time keeping, idleness, lack or un-reasonable progress in studies etc., will render a student liable to disciplinary action including expulsion or rustication from the University. In this regard, the Vice-Chancellor is the sole and final authority.
- iii) Students who abstain themselves (for seven days at a stretch without notice) either from lectures or from laboratory work will not be allowed to resume their study until satisfactory explanation is submitted and accepted.
- iv) A student desirous of leaving the University must apply in writing and such application must be countersigned by the student's parent or guardian. Admission once cancelled shall not be restored.
- v) Students are strictly forbidden from forwarding applications, appeals or any other communication direct to any authority other than the Chairman of the Department or Vice-Chancellor and any contravention of this rule shall make the student liable for disciplinary action.
- vi) Students may be permitted to form or carry on only such associations or clubs as are provided under the Rules. Such associations or clubs must be open for membership regardless of religion, community or political opinion. In no circumstances will any association, the object or membership of which is directly or indirectly sectarian, ethnic or political, be permitted. No member of the association or club can invite any outsider in University without prior permission in writing from the Vice-Chancellor.
- vii) No functions are permitted to be held by the students in the University without prior permission in writing from the Vice-Chancellor.
- viii) The following among others, shall constitute acts of indiscipline for which action may be taken against the student or students.
 - a) Involvement in any political/ ethnic/religious disputes within University premises.
 - b) Creating law and order situation in the University premises.
 - c) Threatening /pressurising Faculty Members and/or Officers of the University inside or outside the University premises.

- d) Damaging or destroying University property.
- e) Teasing or harassing or molesting of students inside or outside Campus especially so in those of the opposite sex.
- f) Creating disturbances in Class Rooms/ Laboratories
- g) Attempting to bring any external pressures for passing examinations, exemption from attendance or any other purpose.

NB: Indulgence in any of the above acts, can result in appropriate disciplinary action which may be rustication or expulsion from the University either for specified period or for good or fines up to the maximum of Rs.20,000/=

- ix) Every student must be hanging their Identity Cards at the prominent place from where it can be visible all the time when they are in the premises.

No student will be admitted to the University unless he is in possession of the Identity Card. Duplicate Identity Card will be issued on a written request on the prescribed form on reasonable grounds, after payment of the prescribed fee.

- x) Vice-Chancellor's decision in all matters shall be final.

12.2 APPEAL AGAINST CANCELLATION OF ADMISSION

Candidates who are rusticated from the University on account of submission of forged documents at the time of their admission in this University may file appeals against such orders with the Vice Chancellor of the University within 15 days from the date of Notification alongwith a fee of Rs. 500/- (refundable in case the appeal is upheld). This provision is applicable to all students studying in this University or affiliated colleges irrespective of their First Year Batches.

12.3 LEAVE OF ABSENCE

- i) Under exceptional circumstances, students may apply for leave of absence to the Chairman of the Department who may sanction such leave for short periods but the grant of such leave will not be acceptable as a plea for not putting in 75% of the attendance which is a pre-requisite for being eligible to appear in the University examinations.
- ii) No student is eligible to sit for the University Examination unless he/she has at least 75% attendance at the Courses, Laboratory and Practical classes.

