

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.

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.

Administration & Academic Support

The administration of NED University is overseen by Dr. Sarosh Hashmat Lodi, who serves as the Vice-Chancellor. Dr. Sarosh holds a B.E. in Civil Engineering from NED UET, an M.S. from Oregon State University, USA, and a Ph.D. from Heriot-Watt University, UK. Assisting him is Prof. Dr. Muhammad Tufail, the Pro Vice-Chancellor, with qualifications including a B.E. in Mechanical Engineering from NED UET, an M.Sc. from Nottingham University, UK, and a Ph.D. from Nottingham University, UK, alongside professional certifications like C.Eng and FIMechE.

The university's faculties are led by dedicated deans, including Prof. Dr. Asad-Ur-Rehman Khan for Civil and Petroleum Engineering, Prof. Dr. Syed Amir Iqbal for Mechanical and Manufacturing Engineering, Prof. Dr. Saad Ahmed Qazi for Electrical and Computer Engineering, and Prof. Dr. Syed Amir Iqbal (acting) for Chemical and Process Engineering. Additionally, Prof. Dr. Noman Ahmed serves as the Dean for Architecture and Sciences, while

Prof. Dr. Nasir Uddin Shaikh leads as the Principal of the Thar Institute of Engineering, Sciences, and Technology (TIEST).

Each administrator brings a wealth of academic and professional experience to their respective roles, ensuring the effective management and advancement of NED University's academic programs and research endeavors. Their leadership contributes to the university's commitment to excellence in education and innovation in engineering and related fields.

The administrative and academic support structure at NED University is led by a diverse team of professionals with expertise in various fields. Mr. Ghazanfar Hussain, serving as the Acting Registrar and Director of QEC, brings his qualifications in Physical Chemistry to his role, with ongoing doctoral studies at the University of Karachi. Dr. Muhammad Wasif, the Additional Registrar, holds a Ph.D. from Canada and specializes in Mechanical Engineering. Engr. Rubina Naz, the Director of Works & Services and Provost, holds degrees in Civil Engineering, Human Resource Management, and Public Administration, while Engr. S. Wasi Uddin, also in a leadership role, brings expertise in Civil and Environmental Engineering.

The administrative team further includes Mr. Irfan Ali, Deputy Registrar (Academic), and Acting Controller Student Affairs, holding a degree in Economics, alongside Dr. Ali Hasan Mahmood, Deputy Registrar (Security & General) / Coordination Director Procurement, with a Ph.D. in Textile Engineering from the University of Manchester, UK. Mr. Makhdoom Khalid Hashmi, Deputy Registrar (Security & General) / Coordination Director Procurement, and Mr. Abdul Wahab, Director of Procurement, contribute their expertise in Economics and Finance respectively to the university's operations.

In academic support roles, Mr. Safi Ahmed Zakai, Acting Controller of Examinations, and Dr. Muhammad Amir Qureshi, Acting Director Industrial Liaison, bring backgrounds in Electrical Engineering and Textile Engineering, respectively. Syed Rafiq ul Hoda, Additional Controller of Examinations, and Acting Director of Information Technology Department, holds qualifications in Mathematics, Computer Science, and Information Technology. Dr. Muhammad Asad Arfeen, Director of Information Technology Department (Acting), specializes in Computer and Information Systems Engineering.

Other key positions include Mr. Muhammad Sajeeruddin, Director of Finance, and Acting Director General of NED Academy, with expertise in accounts and finance. Prof. Dr. Bilal Zahid, Resident Auditor (Acting), and Acting Director of Office of Research, Innovation & Commercialization (ORIC), brings his background in Textile Engineering and Management to these roles. Engr. Ashfaq Ahmed Khan, Director (Planning & Projects) (Acting), and Dr. Mariam Alam, Principal Medical Officer, contribute to the university's planning, projects, and medical services.

Ms. Huma Sardar, the Acting Librarian, oversees the university's library services, bringing expertise in Microbiology and Library and Information Science. Engr. Danish Ur Rehman Khan, Technical Assistant to the Vice Chancellor, supports the Vice Chancellor's office with his

background in Computer Systems and Electrical Engineering. Together, this dedicated team ensures the smooth functioning and growth of NED University.

THE Departments

The departments at NED University encompass a wide range of academic disciplines, each with its own teaching departments.

- Civil Engineering
- Petroleum Engineering
- Earthquake Engineering
- Environmental Engineering
- Architecture and Planning
- Economics and Management Sciences
- Mathematics
- Physics
- Chemistry
- English Linguistics & Allied Studies
- Essential Studies
- Mechanical Engineering
- Textile Engineering
- Industrial & Manufacturing Engineering
- Automotive & Marine Engineering
- Electrical Engineering
- Computer & Information Systems Engineering
- Electronic Engineering
- Telecommunications Engineering
- Biomedical Engineering
- Computer Science and Information Technology
- Software Engineering
- Polymer & Petrochemical Engineering
- Materials Engineering
- Metallurgical Engineering
- Food Engineering
- Development Studies

Guideline for UNDERGRADUATE ADMISSIONS Pre-Admission Entry Test

1. Register yourself in Admission Web Portal at NED University Website “www.neduet.edu.pk/admission” by entering your Name (as per Matriculation or equivalent certificate), Father’s name (as per Matriculation or equivalent certificate), e-Mail address (please ensure you have entered your active email address) and Date of Birth (as per Matriculation or equivalent certificate). 2. You will receive User ID and Password through email on the email provided in step 1. 3. Please log-in to Admission Web Portal using your user ID and Password provided through email. 4. Select the following: i. Board from where you passed HSC or equivalent examination. ii. Your HSC Examination group i.e. Pre-Engineering or Pre-Medical, etc. iii. Your Domicile. iv. Select category(ies) for which you are eligible to apply. v. Click on save and move to NEXT step. 5. Go to the subsequent pages of Online Admission Web Portal and complete all required information. 6. Please make sure to upload an acceptable photograph of candidate as mentioned in “Guideline for the Online Application-Photograph”. 7. 8. Go to the designated banks’ branch as mentioned on the Transaction Slip. 9. Submit the fees as mentioned on the Transaction Slip. 10. Admit card will be available at the admission portal after confirmation of the fee submission by the bank (within 3 to 5 working days). Delay in issuance of admit card may be due to invalid/inappropriate photograph or non-confirmation of fee payment through online by the bank. In that case please write your query on Admission Helpdesk. 11. Don’t forget to bring the print out of your Pre-Admission Entry Test Admit Card at the day of Entry Test (mentioned in the schedule on admission website). After Qualifying the Pre-Entry Admission Test 12. Merit lists of different categories will be displayed on NED Website (www.neduet.edu.pk/admission) as per Admission Schedule. 13. If you are called in the Merit List, follow the schedule and perform the following activities. Note If your name appears in the Merit Lists 14. Print the filled Application Form from the Admission Web Portal. 15. Sign the Application Form. Also get your form duly signed by your Parents / Guardian and Oath Commissioner. 16. Signed Admission form, along with all documents mentioned in Document Checklist, are to be submitted at the time of interview as mentioned in the Admission Schedule on Admission Website. 17. Candidate will be called for Pre-Admission Interview as per Admission Schedule. For any further queries, please read the Frequently Asked Questions (FAQs) available on NED UET website. For further queries please visit Helpdesk on your Admission Portal. For admission in category for those having disability (excluding the disability of deadness, dumbness and blindness) and passed HSC (Pre-Engineering/Computer Science) part I and II (as the case may be), from any Board of Intermediate of Education situated in province of Sindh and having certificate of disability from Department of Empowerment of Persons with Disabilities (DEPD), Government of Sindh. Further the candidate is required to appear before the Medical Board at the University. For admission in the category reserved for Diploma of Associate Engineer (DAE), the applicant must pass the qualifying examination from institution recognized by Sindh Board of Technical Education (SBTE), with minimum 60%, during last three years.

Departments Closing Percentages are as follows

Last year closing percentages of departments under R-1(A) Karachi board category are:

- BS Software Engineering closed on 91.5%.
- BS Computer and Information Systems Engineering 89.45%.
- BS Computer Science closed on 89.18%.
- BS Data Science closed on 89.18%.
- BS Artificial Intelligence closed on 88.14%.
- BS Cyber Security closed on 87.82%.
- BE Electrical Engineering closed on 83.41%.
- BE Mechanical Engineering closed on 82.86%.
- BE Industrial Manufacturing Engineering closed on 82.14%.
- BE Telecommunications Engineering closed on 80.5%.
- BE Chemical Engineering closed on 80.32%.
- BE Food Engineering closed on 80.27%.
- BE Textile Engineering closed on 79.36%.
- BE Civil Engineering closed on 79.00%.
- BE Automotive Engineering closed on 78.95%.
- BS Computational Finance closed on 77.91%.
- BE Construction Engineering closed on 77.86%.
- BS Management Sciences closed on 77%.
- B. Arch. Architecture closed on 76.77%.
- BE Urban Engineering closed on 76.45%.
- BE Petroleum Engineering closed on 76.13%.
- BE Materials Engineering closed on 75%.
- BE Polymer & Petrochemical Engineering closed on 73.86%.