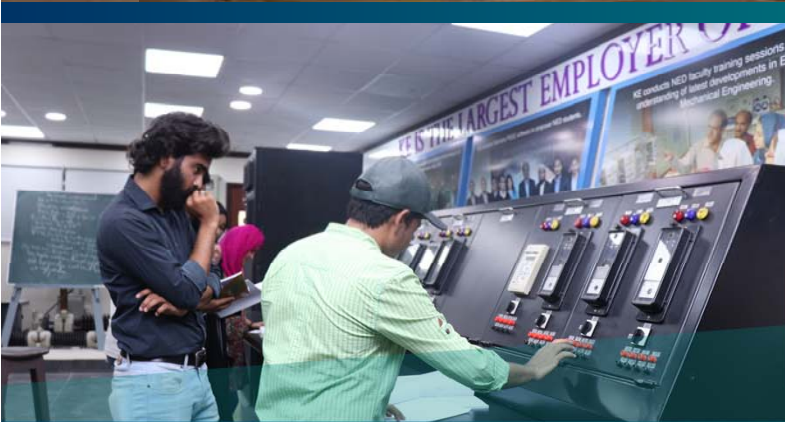


NED University of Engineering and Technology



It's all about you !



Main Campus: University Road, Karachi – 75270.

City Campus: Maulana Din Muhammad Wafai Road, Karachi-74200.

LEJ Campus: 81-A, Block-3, Memon Co-operative Housing Society, Karachi.

Thar Institute of Engineering, Sciences and Technology (TIEST) , Mithi, Tharparkar.



www.neduet.edu.pk



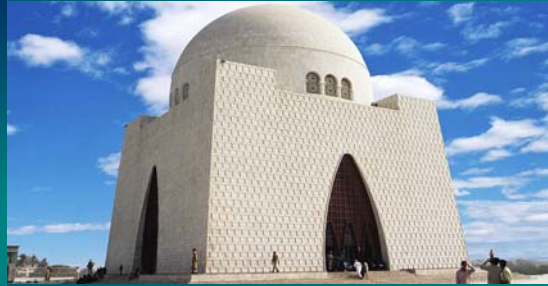
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City Overview - Karachi



Karachi is the capital of the Sindh province of Pakistani. It is the largest city of the Country and is the seventh largest city of the world. Ranked as a beta-global city, the city is Pakistan's premier industrial and financial centre. Karachi is Pakistan's most cosmopolitan city, it is the most linguistically, ethnically, and religiously diverse city, as well as one of Pakistan's most secular and socially liberal city. With its location on the Arabian Sea, Karachi serves as a transport hub, and is home to Pakistan's two largest seaports, the Port of Karachi and Port Bin Qasim, as well as Pakistan's busiest airport, Jinnah International Airport.

NED University Overview

The NED University, being one of the oldest institutions in Pakistan for teaching and producing engineering graduates 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.

From an enrolment of 50 students in 1923, the student population, at undergraduate, graduate and Ph.D. levels, has now gone to more than 12,000. The University has a Main Campus at the University Road. The University has two satellite campuses: LEJ Campus, situated at Memon Cooperative housing Society Infront of Liaquat National Hospital, where Biomedical and Food Engineering programmes are conducted; and the City campus located in City Centre where Architecture and Development Studies programmes are conducted.

Recently, NED University has started its constituent college at Tharparkar District offering BS in Computer Science Programme. The District of Tharparkar is growing area of the Country with high potential of coal Power.



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Salient Features

The University core functions remain student-centric which include teaching, research outreach and creating enabling environment for these endeavors to prosper and magnify its impact.

The University remains conscious of national and global challenges, and with support of all employees and students, continued to progress in all niche areas of development. This is reflected most highly by none other than the recent Times Higher Education World Impact Rankings, where NED University secured 101-200 world ranking; leading the pack in Pakistan at number one spot in 2019. What is more pleasing that the University featured in top 300 universities in the world in all eleven SDGs which were measured by the reputed ranking agency, including gender equality, quality education and responsible consumption and production. The University also featured well in QS Asian Rankings 2019 as well as UI Green Metrics Ranking for Urban regions.



Ranked 160th in 2019

- Ranks 1st among the Pakistani Universities
- Ranks 70th in Responsible Consumption and Production
- Ranks 80th in Quality Education



Ranks 341-400 out of 12,000 Universities

- Placed in Top 2.5% Universities in Asia
- 140th in Employer Reputation
- 202nd in Inbound Exchange



UI Green Metric Ranking 2018

- Ranks 274th among global Universities by campus setting in Urban Areas
- Ranks 360th in Energy and Climate Change
- Ranks 393rd in Setting and Infrastructure



Certified with ISO 9001:2015

- First Pakistani Public-Sector University having ISO 9001 Certification since 2002
- State-of-the-art Quality Management System
- Responsive and Agile Quality Enhancement Cell (QEC)

Faculty & Research

More than 540+ faculty members are teaching engineering and allied discipline course at different programmes. Among these faculty members 204 faculty members are PhD Qualified, whereas, 125 faculty members are pursuing their PhD in which 42 are acquiring PhD from abroad. All these faculty are actively engaged in research and also having maintained collaboration with the industry and government agencies for R&D projects.

Research Centres and Centres of Excellence

- | | |
|---|---|
| <ul style="list-style-type: none"> ▪ Norwegian Centre for Petroleum Studies ▪ Building Information Modelling Centre ▪ National Incubation Centre Karachi ▪ High Performance Computing Centre ▪ NED University Virtual Reality Centre ▪ National Centre for Cyber Security ▪ National Centre for Big Data Analytics ▪ National Centre for Artificial Intelligence ▪ National Centre for Robotics and Automation ▪ Centre for Software Research and Development | <ul style="list-style-type: none"> ▪ Cowasjee Earthquake Centre ▪ Electronic Design Centre ▪ K Electric Lab ▪ Advanced Materials Testing Lab ▪ DICE Energy Centre ▪ Panjwani Hisaar Water Institute ▪ Instrumentation Centre ▪ Product Development Centre ▪ Heritage Cell (Architecture) |
|---|---|

Research Journals

NED University continues to publish three high quality research journals;



- NED University Journal of Research
- Journal of Research in Architecture and Planning (JRAP)
- Journal of Social Sciences and Interdisciplinary Research (JSSIR)





Programmes Offered

NED University offers 28 undergraduate, 47 masters and 18 Ph.D. programmes, with the total being 93 programmes. All undergraduate engineering programmes are already transformed on outcome-based education (**OBE-Washington Accord**). Most of these undergraduate programmes have already obtained OBE-based accreditation from

Pakistan Engineering Council (PEC) whereas for some of the remaining engineering programmes OBE-based accreditation is in process. Following Programmes are offered at NED University;

Engineering Programmes

- Civil Engineering
- Urban Engineering
- Petroleum Engineering
- Mechanical Engineering
- Textile Engineering
- Automotive Engineering
- Industrial and Manufacturing Engineering
- Electrical Engineering
- Computer Systems Engineering
- Electronic Engineering
- Telecommunication Engineering
- Biomedical Engineering
- Software Engineering
- Chemical Engineering
- Materials Engineering
- Metallurgical Engineering
- Polymer and Petrochemical Engineering
- Food Engineering

Bachelors of Sciences (BS) Programmes

- Computer Science
- Computational Finance
- Management Sciences
- Textile Sciences
- Applied Physics
- Industrial Chemistry
- English Linguistics
- Economics and Finance
- Development Studies

Bachelor of Architecture (B. Arch) is also offered in this University

Following Postgraduate Programmes are offered in the University;

Master of Engineering (MEngg) programmes

- Structural Engineering
- Geo-Tech Engineering
- Transportation Engineering
- Coastal & Water Resource Engineering
- Structural Earthquake Engineering
- Computer Arch. and System Design
- Computer Network and System Security
- Micro System Design
- Telecommunication Engineering
- Design Engineering
- Petroleum Engineering
- Energy Systems
- Mechatronics
- Renewable Energy
- Manufacturing Engineering
- Electrical Power Systems
- Smart Grid
- Industrial Electronics
- Biomedical Engineering
- Chemical Engineering
- Materials Engineering
- Polymer Engineering
- Environmental Engineering

Master of Engineering Management (MEM) Programmes

- Transportation Infrastructure Management
- Chemical and Process Management
- Energy and Plant Management
- Environmental Management
- Supply Chain Management
- Construction Management
- Industrial Management
- Energy Management
- Quality Management
- Textile Management

Master of Science (MS) Programmes

- Textile Management
- Data Engineering and Information Management
- Telecommunication Systems
- Computer Science in Information Technology
- Information Security
- Applied Mathematics
- Industrial Chemistry
- Master of Urban and Regional Planning (MURP)
- Master in Architecture (M. Arch.)
- Economics and Finance
- Applied Linguistics
- Physics

ADMISSIONS AT NED UNIVERSITY

International Students willing to take admission in NED University can approach through the Pakistani Embassies located in their respective countries. Candidate must have passed 12th grade OR equivalent Foreign Examination (*with Mathematics, Physics and Chemistry*) recognized by the Inter Board Committee of Chairmen (IBCC), Islamabad, Pakistan having the certificate of equivalency from IBCC. Applicant should have scored at least 800 in SAT-I and also secured at least 1500 in SAT-II with subjects of Physics / Statistics, Chemistry / Computer Science and Mathematics / Biology.

For Further details, lease visit:

www.neduet.edu.pk/admission





Students @ NED University

NED University since its inception back in 1921, have produced thousands of graduates. Most of them are serving within the Country and abroad. There are several foreign citizens who had studied in this prestigious institution and they are now serving in their respective countries. The alumni of this institution are based in every other country

Chapters of International Societies

Student chapters of several Professional Bodies are also established which organize events throughout the year; American Society of Mechanical Engineers (ASME), American Society of Heating Refrigeration and, Air-Conditioning Engineers (ASHRAE), Society of Manufacturing Engineers (SME), Society of Petroleum Engineers (SPE), American Concrete Society (ACS), Institute of Mechanical Engineers (IMEchE) UK, NED Materials Society (NMS), Metallurgical Engineering Society (MES), Society for Chemical Engineering (SCHEME), Society of Polymer & Petrochemical Engineers (SPPE).



Chinese Language Course

The University has initiated Chinese language programme in the year 2017 for all its undergraduate programmes. Around 2,207 and 1,707 students have already passed HSK-I and HSK-II level courses respectively. Eighteen foreign faculty members teach this course at the University.

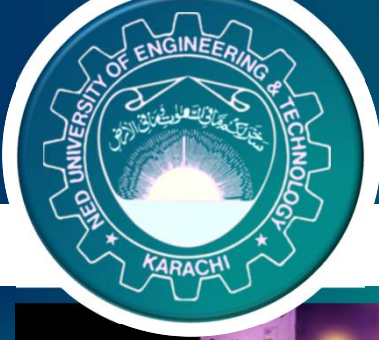
All students are required to complete these two levels of the language which is mandatory for their degree requirements.

Students' Mobility Programme

Each year a number of students avail the Mobility Programme to extend their knowledge and vision at international level. Students of the University have visited countries like Romania, Italy, China, Turkey and USA in the mobility programme. They spend sometime (a month up or a complete semester) in the universities abroad. The courses taught there are given due recognition by the University.

The mobility provide them the opportunity to get exposure to the developments in these countries.



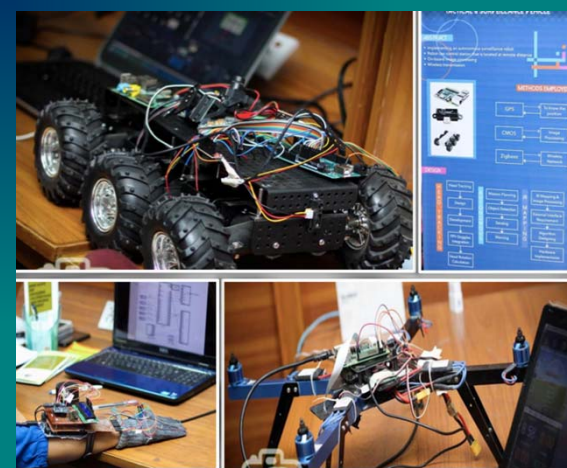


Students @ NED University

Internship Industrial Trainings are the integral part of engineering and sciences education. Hence, NED University provides Industrial Internship of 6 to 8 weeks. Industrial visits and job fairs are also arranged for the students.



Entrepreneurship NED University has been inculcating the entrepreneurial skills to all its students as it is a part of the curriculum of all discipline of this University. NED University also hosts National Incubation Centre Karachi. The Centre has incubated



Community Services This is one of the hallmark activities of NED University. The basic philosophy is to inculcate within students; sense of social service, owing and contribution to communities around them, volunteering engages students with the community, increases social awareness and responsibility, developing civic and social responsibility skills and help to develop interpersonal and leadership skills in students. It is a mandatory requirement of undergraduate students.

Co-Curricular Activities

Controller of Students Affairs in collaboration with various departments and student chapters of professional bodies organize seminars, competitions, and activities throughout the year on regular basis to enable students to unearth their extraordinary potentials. webinars are also arranged on regular basis.



Sports

Controller of Student Affairs through its Sports section continues to engage students in sports related activities throughout the year. Participation in national and international level sport are arranged for the students. The facilities provided here include separate Gymnasium for Boys and Girls Gymnasium, Squash Complex, Two Out Door Basketball Courts, One Tennis Court, Cricket Ground with Turf Wicket, Football Ground, Boys Fitness Centre.



Hostels

There are residential hostels available separately for boys girls. The facilities in hostel include: Common Room, Prayer Hall, Warden's Office.

These hostels are situated within the Campus. Two new Hostel Blocks are under construction with dedicated floors for International Students. The construction is in last phase which will get completed before commencement of the next academic session.

