

Last Date to Apply
16th September 2022

https://www.neduet.edu.pk/postgraduate_admissions



CED
NED UNIVERSITY

FALL 2022

ADMISSIONS

Masters of Engineering (M.Engg.)

Geotechnical Engineering

About the Program

This program aims to produce knowledgeable professionals, having a sound foundation of Geotechnical Engineering, including Geotechnical Site Investigation, Selection of suitable type of materials for various projects, Soil Properties Modification, Transportation Geotechnics, Geoenvironmental Engineering, Soil-Foundation Interaction under Static and Dynamic loading conditions, Groundwater Extraction and Recharge, and Pre-and-Post Construction Forensic Investigations related to geotechnical Challenges. The program covers all aspects of Civil Engineering including, buildings, Roads, Dams, River training, environmental impact assessment etc.

Key Benefits/ Significance

- Develop graduates with solid Geotechnical knowledge and skills who are composed to address the local and global challenges.
- Capability to work in a challenging environment.
- Ability to predict, propose and address various Geotechnical challenges for various Civil Engineering Projects.
- Respond to Geotechnical Challenges of various natures.

Core Courses

- Soil Investigation and testing
- Foundation Engineering
- Advanced Soil Mechanics
- Foundation Dynamics
- Earth Retaining Structures



Reputed Faculty

The faculty involved comes from the department itself along with professional trainers and industry experts from various relevant agencies in the Geotechnical sector of the country. The blend of faculty from academia and industry enables the students to learn current practices at an advanced level and provide an edge on their professional profiles which helps them secure competitive job positions, both in the national and international world.

Potential Research Areas

- Geotechnical Site Investigation with Modern Tools and Techniques
- Stabilization of challenging Soils and Sites
- Development of Soil Maps for Various Areas
- Study of the soil and rocks under Static and Dynamic Loading Conditions
- Environmental Impact Assessment of various Civil Engineering Projects
- Numerical Modeling and Computer Applications in Geotechnical Engineering

Specific Research Facilities

Soil Mechanics Laboratory
Material Laboratory

Geology Laboratory

For further details on programme and
scheme of studies, scan the QR code.

Contact Information:

M. Engg. Office,
Department of Civil Engineering,
NED University of Engineering and Technology.
Phone: +92-21-399261261 Ext: 2273
Email: rizulhak@neduet.edu.pk

