Welcome To

Master's & PhD Admission Information Session with

Guidance on Admission Test Preparation



Department of Civil Engineering





Department of Civit Engineering

1921-2021

Tuesday, September 13, 2022

AGENDA

Session	Торіс	Schedule
Session 1	Master's Admission Process and Salient Features	07:30 PM – 07:50 PM
Session 2	Master's Specializations Overview	07:50 PM – 08:00 PM
Session 3	Master's Admission Test Guidance	08:00 PM – 08:15 PM
Session 4	PhD Admission Guidance	08:15 PM – 08:30 PM
<u>Q & A</u>	Questions & Answers	08:30 PM – 08.45 PM

Session 1:

Admission Process And Salient Features of Master's Programme

MASTER'S SPECIALIZATIONS AND INTAKE OPTIONS – AT A GLANCE

SPECIALIZATION	INTAKE COPTIONS
M.Engg. Civil – Structural Engineering	✓ Day ✓ Evening ✓ Weekend
M.Engg. Civil – Transportation Engineering	✓ Day ✓ Evening × Weekend
M.Engg. Civil – WR & Coastal Engineering	✓ Day ✓ Evening × Weekend
M.Engg. Civil – Geotechnical Engineering	✓ Day ✓ Evening × Weekend
M.Engg. Civil – Construction Engg. Law	× Day ✓ Evening × Weekend
M.E.M. Civil – Construction Management	✓ Day ✓ Evening ✓ Weekend

ADMISSION CRITERIA

Degree Title	Master of Engineering (Civil)	
	Master of Engineering Management (Civil)	
	[Specialization to be mentioned on Transcript]	
Minimum Admission Criteria		
CGPA	2.40 out of 4.00	
	[equivalent percentage / division ONLY considered where CGPA is not calculated]	
Relevant Bachelor's Degree	 For M.Engg. Programme: Bachelors Degree in Civil/ Urban Engineering or in any of the relevant degrees. 	
	 For MEM Programme: Bachelors Degree in Civil/ Urban Engineering or Architecture or an equivalent Degree recognized by Pakistan Council of Architects & Town Planner with Intermediate (Pre-Engineering) 	

ADMISSION PROCESS

Admission Process

1. Application	 Online application through NED Website and to be submitted to the Chairperson of the Department You may apply in multiple specializations as Main Form and Additional Form(s)
2. Pre-Admission Entry Test	 One Admission Test for All 06 Specializations Passing the test (50%) is MANDATORY Test will carry maximum weightage on your Merit List
3. Merit List	 Other than Test, your Bachelor's CGPA will carry weightage. Separate merit lists will be developed for each specialization. Your name may or may not appear in more than one merit lists. You will need to select one specialization at time of interview There are NO specific seats to be filled.
4. Interviews	Final Selection* * A second Merit List May or May Not be called.

ADMISSION SCHEDULE

Forms Deadline	Friday, September 16, 2022
Test Eligibility List	Monday, September 19, 2022
Entry Test	Friday , September 23, 2022 (09:30 AM)
List of candidates eligible for Interview	Tuesday, September 27, 2022
Interviews	Wednesday, 28 & Thursday, 29 September, 2022
Final Merit List	Monday, October 3, 2022
Registration in Courses	Tuesday, 4 to Friday, 7 October, 2022
Commencement of Classes for Spring 2022	Monday, 17 October, 2022

SCHEME OF STUDIES

Scheme of Studies		
Transfer of Credits (to be applied in 1st semester of studies)	 ✓ Up to 4 courses of NED in previous last 2 years ✓ Up to 4 courses via NED Academy ✓ Up to 2 Courses from other universed 	relevant admission in in last 2 years sities
No. of Credit Hours	30	
No. of Courses	10 courses or <u>8 courses + Thesis</u>	
Compulsory and Electives	5 compulsory + 5 electives 5 compulsory + 3 electives + Thesis	for coursework only for Thesis Option

SCHEME OF STUDIES (Contd.)

Scheme of Studies (contd.)		
No. of Semesters per Year	2 semesters – Fall and Spring (No Summer)	
Min. Duration	Varies between 1.5 to 2.5 Years	
Max. Duration	4 Years i.e. 8 semesters	
Min. CGPA to be Maintained	2.50 (else probation);	
	2 probations allowed	
Min. Terminal CGPA	3.00	
(for award of degree)		

Programme Enrollment Options

Day Programme	Evening Programme	Weekend Programme
Min. Duration:	Min. Duration:	Min. Duration:
1.5 Yrs i.e. 3 semesters (only w/ Thesis)	2.0 Yrs i.e. 4 semesters (w/ Thesis);2.5 Yrs i.e. 5 semesters (w/o Thesis)	1.5 Yrs i.e. 3 semesters (w/ or w/oThesis)
Coursework Credits:	Coursework Credits:	Coursework Credits:
24 Credits (08 courses)	24-30 Credits	24-30 Credits
Thesis Credits:	Thesis Credits:	Thesis Credits:
06 Credits (Compulsory)	06 Credits (Optional)	06 Credits (Optional)
Max Load Per Semester:	Max Load Per Semester:	Max Load Per Semester:
12 Credit Hrs + 3 Hrs Thesis	06 Credit Hrs + 3 Hrs Thesis	12 Credit Hrs + 3 Hrs Thesis

THESIS: SCHEME OF STUDIES

Thesis Requirement	Day Evening Weekend	Compulsory Optional Optional
Credit Hours	06 (03 + 03)	
Duration	2 semesters (extendable	e to 3 semesters)
Grade	Satisfactory / Unsatisfac	ctory

THESIS: SCHEME OF STUDIES (Contd.)

Scheme of Studies (Contd.)

 Supervisor Assignment and Thesis Enrollment 	After 12 Credit Hours of Coursework w/ CGPA = 3.00; In Semester 02 of studies or Later (in any Specialization and Programme)
2. Proposal Preparation	4 th Week of Semester 01 of Thesis
3. Interim Evaluation	2 nd Week of Semester 02 of Thesis via Presentation
4. Thesis Submission and	 End of Semester 02 (or Semester 03 if extended) of Thesis
Examination	A Report to be Submitted per Format
	A Final Presentation to be Done

Note:

- 1. Thesis Option has become mandatory for anyone desirous of pursuing PhD in Pakistan.
- 2. For anyone desirous of pursuing PhD, Thesis is usually an important consideration for admission and/ or assistantship/ scholarship.

WHY THESIS?

- ✓ Solve an industry problem/ Work on potential area of benefit for industry
- ✓ Learn the process of *Structured Problem Solving*:
 - ✓ Defining a Problem
 - ✓ Defining Pathways to Solution
 - ✓ Working on the Optimum Solution
 - $\checkmark\,$ Convincing on the Effectiveness of the Solution
 - ✓ Presenting and Defending the Solution as Write Up and Power Point
- ✓ Explore Your Potential of/ Excel in Academic or Action Research
- ✓ Increase Your Opportunity for Future Consideration as PhD Candidate
- ✓ Opportunity of Integrated Application of Your Knowledge in Master's Programme
- ✓ Opportunity to Create an Impact on Society/ Engineering Community

Questions, Comments?



Prof. Rizwan U. Farooqui, Ph.D.



Specializations Overview



FALL 2022 ADMISSIONS

Masters of Engineering (M.Engg.)

Structural Engineering

Program Brief

ME Structural Engineering started in 1979, the main objective of the program to meet the requirements of industry & transfer the sufficient theoretical knowledge about the Design Philosophies behind the field of Structural Engineering. Till present around 2000 students graduated from this program and working at national and international level well known organizations.

Major Courses

include five compulsory and five elective courses. These courses are Advance Reinforced Concrete, Structural Dynamics, Advance Mechanics of Solids, Advance Engineering Mathematics, Advance Structural Analysis, Finite Element Method, Design of Tall Structures, Seismic Analysis and Design, Pre-stressed Concrete Design, Bridge Analysis and Design etc.,

Research Area

Analyze the Behavior of Materials in Elastic and In-elastic Conditions, Analyze the Impact of Different Loads on Structures, Understand the Failures of Structures & their Remedial measures in Design, Analyze the Response & Design of Large Span / Tall Structures

Career in Structural Engineering

To work as a team member in the Design of Tall Structures, Bridge Design Engineering, Forensic Engineering, Earthquake Engineering, Fire Engineering, Structural Health Monitoring etc.,

Success Stories



Specific Research Facilities

- Concrete Lab
- Advance Material Testing Lab
- Structural Dynamics Lab
- High Performance Computing for Modeling
- Postgraduate Computing Center

For further details on programme and sceheme 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



Last Date to Apply 16th September 2022

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



FALL 2022 ADMISSIONS

Masters of Engineering (M.Engg.)

Transportation Engineering

Programme Overview

ME Transportation Engineering started in Year, the main objective of this master program is to meet the need of the industry & transfer the adequate knowledge to the graduates about the transportation and its sub domains.

More than (No) students graduated from this program and working at national and international organizations.

Major Courses (compulsory)

- Urban Transportation Planning
- Geometric Design of Highways
- Advanced Traffic Engineering and Management
- Probability and Statistics
- Pavement Analysis & Design

Major Courses (Electives)

- Traffic Flow Theory
- Highway Materials & Construction
- Public Mass Transportation
- Airport Planning & Design
- Transportation Economics
- Waterway Transportation
- Transportation Systems Evaluation
- Railway Track Engineering

Potential Research Areas

- Intersection optimisation and signal design
- Traffic flow parameter speed, density and flow model validation
- Pavement asset management
- Performance evaluation of highway materials
- Geometric design optimization and traffic safety
- Feasibility and Mode shift analysis of BRT system
- Public transportation route network analysis
- Land use planning and mass transportation system
- Feasibility analysis of infrastructure projects

Specific Research Facilities

- Transportation Engineering Lab
- Advance Testing Facility of Rutting and

Fatigue Behaviors

- Postgraduate Computer Center

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FALL 2022 ADMISSIONS

Masters of Engineering (M.Engg.)

Coastal & Water Rescources Engineering

Programme Overview

Coastal and Water Resources Engineering Programme at The Department of Civil Engineering (CED) offers Masters of Engineering (M.Engg.) degree and brings together faculty and students from around the country and multiple departments. The Department of Civil Engineering at NED University is the oldest department and is a flagship institute for training water professionals with a rich roster of faculty and courses already in place. Students will draw from a set of existing courses covering engineering approaches, watershed processes, hydrology, climatology, drainage, water quality, hydraulics, ground water engineering, coastal management, and ports and harbor. The faculty involved comes from the department itself along with professional trainers and teachers from various relevant agencies in water sector of the country. The blend of fac ulty from academia and industry makes a great combination for the students to learn from them about the innovation and current market practices.

Employability

The curriculum provides an edge on their professional profiles which helps them securing competitive job positions around. The graduates are serving in various Government and Private Institutions.

Potential Research Areas Watershed processes Ground water engineering

Watershed processes Hydrological Modeling Sub Surface Drainage Climatology Water quality Studies Hydraulics

Hydraulics Specific Research Facilities

- Water Modeling Center
- Water Resources Engineering Lab
- Fluid Mechanics Lab
- 21st Century Water Center (under construction)



Coastal management

Reservoir Management

Ports and harbor

Irrigation Systems

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

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Last Date to Apply 16th September 2022

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



FALL 2022 DMISSIONS

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 sceheme of studies, scan the QR code.

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Masters of Engineering Civil (M.Engg.) Specialization in Construction Engineering Law



Overview

Engineering projects are technical endeavors that are performed by group of trade professional that join their hands together. These participants are bounded by legal contracts to perform their roles and responsibilities. Also there are specific laws, codes and regulations controlling the industries and their operations. In order to perform efficiently, engineers should be aware of the legal implications of all these contractual aspects, laws, and their inferences. The need for understanding these laws and regulations, being able to efficiently interpret laws, and implementation of engineering projects require special skill sets for the engineers that are not taught in regular engineering programs.

Moreover, with the increasing globalization of the economies, new international and regional ventures, such as; China Pakistan Economic Corridor (CPEC), One Belt One Road (OBOR), Asia Infrastructure Development Bank (AIDB) etc. and increasing opportunities for foreign direct investments (FDI), the technical understanding of legal aspects, codes, and regulations have become much more essential and challenging for engineers in order to be competitive in the market.

With the aim of enhancing the capacity of engineers regarding legal aspects of engineering application, it is proposed that NED University of Engineering & Technology introduce a specialized degree program titled Masters of Engineering Civil (M.Engg.) Specialization in Construction Engineering Law.

In this regards, this document proposes details of Masters of Engineering Civil (M.Engg.) Specialization in Construction Engineering Law. The proposed program has been tailored to give construction professionals in building, construction, engineering, public owner organizations, and associated industries the legal knowledge to take the next step in their careers.

OBJECTIVES

Graduates of this program will be able to perform effectively and accurately in areas of Construction Engineering law. Specifically, the graduates of this program will;

- i. Understand knowledge of relevant legal aspects in Construction Engineering.
- Analyze practical and theoretical problems in order to provide structured solutions to legal issues in Construction Engineering.
- Communicate, write, and document clearly regarding the laws and its applications to the real construction project issues.

ADMISSIONS OPEN STARTING FALL 2020

NED University of Engineering & Technology



Masters of Engineering Management (MEM)

Construction Management



About the Program

The aim of this program is to produce professionals who are knowledgeable, having sound foundation of construction management, including project evaluation, feasibility, project management processes, safety and environment, project knowledge area and project life cycle to manage the small to large construction sites in a multi-cultural environment, and would be able to respond both the local and global challenges faced by the built environment.

Key Benefits/ Significance

- Develop graduates with construction and project management knowledge and skills who are poised to address the local and global challenges.
- Capability to work in a multi-cultural environment.
- Ability to lead and integrate a multi-disciplinary team of professionals.
- · Respond to global challenges that Built Environment faces.

Core Courses

- Organizational Systems
- Accounting and Financial Management
- Strategic Planning and Decision Making
- Project Management Framework and Tools
- Operations Research

Reputed Faculty

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

Potential Research Areas

 Building Information Modelling (BIM) Virtual and Augmented Reality (VR) I Lean Construction and Waste Management Sustainable and Smart Built Environment Affordable and Green Houses Procurement, Contracts, Claims and Dispute Resolution Risk and Quality Management Smart Cities ☑ Technopreneurship I Time and Cost Management 8 Safety Management Applications of IoT, Al and Data Analytics

Specific Research Facilities

BIM Centre **Ø Virtual Reality Centre**



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

Contact Information:

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Session 3:

Pre-Admission Entry Test Guidance

GENERAL GUIDELINES

- ✓ Admission test will constitute of <u>three</u> parts MCQs, General Civil Engg. Question and Analytical Writing
- ✓ About 70 MCQs from following key areas of civil engineering:
 - ✓ Structural Engineering
 - ✓ Surveying and Transportation Engineering
 - ✓ Water Resources and Coastal Engineering
 - ✓ Geotechnical Engineering
 - ✓ Construction Engineering & Management
- ✓ General civil engineering question covering basic fundamentals of civil engineering knowledge and practice
- ✓ One argumentative analytical writing assignment to judge your:
 - ✓ Analytical skills
 - ✓ Grammar and Vocabulary
 - ✓ Argument Development/ Interpretation Skills



- Distance Measurements (horizontal and vertical distance measurement method and devices)
- Levelling Techniques (equipment used and its different application)
- Angles and Direction
- Curves (vertical and horizontal curves)

Some questions may be related to advanced topics in surveying engineering like;

- Hydrographic Surveys (Bathymetric Surveying)
- Global Position system (GPS)
- Photogrammetry and Remote sensing (RS)

Transportation Engineering

- Transportation Planning and Management
- Highway Engineering (design, construction and maintenance)
- Traffic Engineering (Theories, implementation and application)
- Railway engineering (design and maintenance)
- Airport Engineering (A review of runway design)
- Coastal Engineering (Ports and Harbour)

Construction Engineering and Management

- Quantity and Cost Estimation
- Project Scheduling (CPM, PERT)
- Earthworks and Site Layout
- Construction Equipment Productivity and Economics
- Engineering Economics (Cash Flow, B/C analysis, Payback period, NPW, etc.)
- Probability and Statistics (Probability distributions, hypothesis, descriptive statistics etc.)
- Construction Contracts (contract types, payment schemes, bonds, delivery methods etc.)
- Construction methods (foundations, piles, excavation, compaction, concreting, block masonry, finishes etc.)
- Project Management Principles and Framework

Coastal and Water Resources Engineering

- Specific weight, surface tension, viscosity etc.
- Pascal's Law, Bernoulli's equation
- Pipe Network Analysis, Hardy Cross Method
- Pipe flow problems, Weirs
- Major and Minor losses
- Open channel, Manning's and Chezy's equation
- Watercycle, runoff, groundwater, Evapotranspiration
- Water quality, COD, BOD, EIA

Structural Engineering

- **Degree of indeterminacy** and degree of freedom in beam, trusses and frames
- Reactions in determinate beam, frame
 and trusses
- **Deflection** in determinate members
- Moment of Inertia, Polar Moment of Inertia
- **Stresses in beams** (Axial, Shear and Flexure)
- **Deformation in bar** elements

- **Adequacy** of simply supported reinforced concrete beam
- Minimum and Maximum
 reinforcement in beam, slab and columns
- Nominal capacities of rectangular sections in shear, moment
- Isolated Footing Sizes for given loading

Geotechnical Engineering

- 1. ORIGIN AND FORMATION OF SOIL
- 2. COMPOSITION & PHYSICAL PROPERTIES OF SOIL
- 3. SOIL CLASSIFICATION
- 4. SOIL COMPACTION
- 5. STRESS DISTRIBUTION IN SOIL
- 6. SHEAR STRENGTH OF SOIL
- 7. SUB SOIL INVESTIGATION
- 8. SETTLEMENT ANALYSIS
- 9. BEARING CAPACITY
- 10. LATERAL EARTH PRESSURE
- 11. STABILITY OF SLOPES



- 1. Deflection in Beam is inversely proportion to
 - A. Cross-sectional Area of elements
 - B. Applied loads
 - C. Moment of Inertia
 - D. Modulus of rigidity
- 2. Ductile failure of beam is generally observed in
 - A. Under-design section
 - B. Over-reinforced Section
 - C. Under-reinforced Section
 - D. Both A and C are correct



- 1. The component used to hold the rail in their correct gauge and alignment is
 - A. Sleepers
 - B. Ballast
 - C. Bearing plate
 - D. None of the above
- 2. Which of the following has greater life?
 - A. Bituminous Pavement
 - B. Cement Concrete Pavement
 - C. Gravel roads
 - D. Earth roads
- 3. Which type of levelling operation is generally preferred for the construction of highways
 - A. Reciprocal levelling
 - B. Profile levelling
 - C. hypsometry levelling
 - D. Barometric levelling



- 1. The amount required to be deposited by a contractor while submitting a tender is known as
 - A. Fixed deposit
 - B. Caution deposit
 - C. Security deposit
 - D. Earnest money deposit
- 2. The integration of project work packages within the organization's management structure is known as
 - A. responsibility matrix
 - B. organization breakdown structure
 - C. work breakdown structure
 - D. process breakdown structure
- 3. In reviewing the project plan, Planning Engineer sees that the first prototype is due by April 22. This would be best classified as a
 - A. project target
 - B. limit item
 - C. milestone
 - D. project objective

Examples

- 1. A catchment has three rain gauges A, B and C having areal fraction of 20%, 30% and 50%, respectively. The annual rainfall for these stations is 150 mm, 200 mm and 210 mm, respectively. The average rainfall would be:
 - A. 195 mm
 - B. 200 mm
 - C. 250 mm
 - D. 300 mm
- 2. A 12 inch diameter pipe is connected to 24 inch diameter pipe. If 20 cusecs of water flows in the pipe, calculate the headloss between two pipes
 - A. 6 m
 - B. 5.7 ft
 - C. 11.5 ft
 - D. 18.6 ft
- 3. The practical procedure to solve pipe network problem by successive approximations is introduced by:
 - A. Hardy Cross
 - B. Manning
 - C. Bernoulli
 - D. Hazen William

General Civil Engineering Question

This part will comprise of 10 MCQs based on a general civil engineering question to assess

fundamental knowledge & practice of civil engineering.

For the Framing Plan of a 40' x 30' RCC shed shown below in the Figure, Answer the following questions:

- 1. Slab S1 (20' x 30') is _____.
 - A. One way
 - B. Two way
 - C. Cantilever
 - D. Three Side Supported
- 2. Main reinforcement in Slab S3 (20' x 10') is provided
 - A. In Top Along 10 ft. direction
 - B. In Top Along 20 ft. direction
 - C. In Bottom Along 10 ft. direction
 - D. In Bottom Along 10 ft. direction



Analytical Writing

Time Allowed: 30 minutes

Marks: 20 marks

Provide your viewpoints on the following <u>with arguments</u>. Please distribute your time wisely to address each of the 2 parts. The total write-up is expected to be 1 - 1.5 pages in length using normal size writing and spacing.

Technology adoption is one of the most rewarding yet difficult task for any organisation. When it comes to the construction sector in Pakistan, it has always been known for the slow adoption of technologies as there are large stakes involved in the process.

1. Provide detailed reasoning in favour or otherwise of the above argument.

2. Discuss any five specific strategies that can facilitate technology adoption in construction sector of Pakistan.



PhD Admission Guidance

ADMISSION CRITERIA

Degree Title	Ph.D. in Civil Engineering	
Minimum Admission Criteria		
CGPA	3.00 out of 4.00	
Eligibility	 Master's degree (minimum 17 year) 	
	The Master's degree should be obtained after completion of minimum of 30 credit hours	
	 Terminal Degree in Relevant Field or Pre-Requisite Courses to be taken as deemed significant by the Postgraduate Admissions Committee 	
	 Thesis at Master's Level for PhD Admission at NED is NOT Mandatory. 	

ADMISSION PROCESS

Admission Process	
1. Application	• Online application through NED Website and to be submitted to the Chairperson of the Department
2. Pre-Admission Entry Test	 One of the following Non-subject specific tests i) GRE General test by ETS ii) Graduate Admission Test by ETC iii) Equivalent test by the University at par with GRE General Passing the test (minimum 50%) is MANDATORY Validity of the tests shall be TWO years.
3. Other Assessments	 Statement of Purpose Synopsis Academic and professional qualifications Professional experience Reasons for desiring to enroll in the Programme Referees' opinions (letters of recommendation)

ADMISSION SCHEDULE

Forms Deadline	Friday 16, September, 2022
Entry Test	Friday 23, September, 2022 (03:00 PM)

SCHEME OF STUDIES

Scheme of Studies 1. Supervisor Assignment HEC Approved Supervisor Assigned at time of admission. Supervisor would help define the area of research Supervisor would design/ prescribe the courses 2. Course Work & ✓ Admitted after Masters degree in same discipline to Comprehensive Exam • 24 credit hours PhD level (8 courses) minimum 12 months period – extendable by 6 months ✓ Minimum CGPA of 3.00 followed by a Written Comprehensive Exam (min. 50% to be obtained)

SCHEME OF STUDIES (Contd.)

Scheme of Studies (Contd.)

3. Achieving PhD Candidacy	 ✓ After passing Comprehensive Exam and… ✓ After Successfully (i) defending Research proposal (at Departmental Seminar); and (ii) approval by ASRB
4. Research Work	 ✓ Minimum <u>two years full-time equivalent research work</u> ✓ Maximum PhD Duration = 8 years ✓ 1 journal paper to be published JCR List of Clarivate Analytics HEC W or X Category as per HJRS
5. Progress Evaluation	 Six-Monthly Reports reviewed by PhD Review Committee and endorsed by ASRB
6. Thesis Evaluation and Examination	 ✓ Supervisor ✓ 2 Foreign Reviewers ✓ 3 Examiners (including Supervisor)

SCHEME OF STUDIES (Contd.)

Scheme of Studies (Contd.)

Temporary Suspension from Programme

Maximum 12 months

PhD Financial Assistance

Financial Assistance

- PhD Fellowship given (equivalent to Semester Tuition Fee) for up to first 08 semesters
- Undergraduate Teaching load of about 08 hours per week would be given per semester in lieu of the Assistance.
- Stipend for funded research based PhD projects.
- University provides up to **PKR 1M** for each PhD Project for project work.
- Remuneration for teaching assistance
- Eligibility for HEC based PhD scholarship
- Eligibility for HEC based short term exchange program