



NFC INSTITUTE

OF ENGINEERING & TECHNOLOGY

MULTAN



Prospectus 2026

Shaping the Future

**Federal Degree Awarding
Institute**

**Ministry of Federal Education and
Professional Training, Pakistan**



OUR PROGRAMS



NFC IET
MULTAN-PAKISTAN

SCHOOL OF ENGINEERING, TECHNOLOGY & ARCHITECTURE

BSc Chemical Engineering
BSc Electrical Engineering
BSc Civil Engineering
BSc Mechanical Engineering
BSc Petroleum & Gas Engineering
BSc Computer Engineering
BS Food Science & Technology
BS Bio-Medical Engg. Technology
B. Architecture Design

SCHOOL OF MANAGEMENT, HUMANITIES & SCIENCES

Bachelor of Business Administration (BBA)
BS Accounting & Finance
BS Fashion Design

SCHOOL OF COMPUTING

BS Computer Science
BS Software Engineering (Non-Engg)
BS Artificial Intelligence
BS Data Science

POSTGRADUATE PROGRAMS

MS Chemical Engineering
MS Mechanical Engineering
MS Electrical Engineering
MS Civil Engineering
MS Computer Science
MS Management Sciences
MBA
Ph.D Electrical Engineering
Ph.D Chemical Engineering

MULTAN HERITAGE

Multan is one of the oldest and most historic cities of Pakistan, located in the province of Punjab. It is known as the “City of Saints” because of its rich Islamic heritage and the shrines of many famous “Sufi saints”. Multan has a history of thousands of years and was an important center of trade, culture, and civilization in South Asia. The city is also famous for its handicrafts, especially Multani blue pottery, embroidery, and mangoes. Over time, Multan has developed into an important educational, industrial, and cultural hub of Pakistan.





HONOURABLE

Mr. ASIF ALI ZARDARI

**CHANCELLOR
PRESIDENT OF PAKISTAN**

A portrait of a man with dark hair and a mustache, wearing a dark blue suit, white shirt, and a green and yellow striped tie. He is standing with his left hand in his pocket against a blue textured background with a geometric star pattern on the right.

HONOURABLE

Mr. TANVIR ASHRAF KAIRA

PRO CHANCELLOR

FORMER PROVINCIAL MINISTER OF PUNJAB



Worthy

Vice-Chancellor

Prof. Dr. Shabbar Atiq

Welcome to NFC Institute of Engineering & Technology, a premier Federal Degree Awarding Institute committed to shaping tomorrow's leaders. Our dedication to innovation, academic excellence, and student success drives everything we do. Here, you will find a nurturing environment that combines cutting-edge technology with personalized guidance, preparing you for a dynamic future in your chosen field.

Registrar**Engr. Nadeem Hassan****Deputy Registrar****Engr. Dr. Subhan Azeem**

REGISTRAR OFFICE

Services

The Office of the Registrar Supports Teaching and Learning at NFC-IET by maintaining the integrity of academic & research policies and serves as central administrative office of students, faculty and alumni. We provide data to internal and external constituencies, enabling these offices to make informed enrollment management and policy decisions. This office ensures adherence to academic policy, preserving academic integrity and safeguarding academic records. The office of the Registrar provides exceptional service by valuing student and staff engagement, adapting to the needs of the campus community, and aligning our goals with “uplifting to the all people.”

Our mission philosophy is built upon providing quality education in a respectful manner. We believe in diversity of people, thought and opinion as we build community and explore, create and shape the future with innovative educational support strategies.

The Registrar’s Office is located on the first floor of the Vice Chancellor Secretariat.

Responsibilities:

The Major responsibilities of the Registrar:

- To conduct meetings of statutory bodies of the institute, viz: The Senate, Syndicate, Academic Council, Affiliation Committee and Selection Board.
- Monitoring and control of quality management system of the department for the betterment of the Institute.
- Management of all academic activities of the institute including admissions, enrolment and maintenance of student records.
- Monitoring and control of the security and general administrative matters to keep the environment smooth for the students, faculty members and other staff.
- Human resource management of Institute employees and related matters.
- Correspondence with external agencies.
- Formation of Senate and Syndicate.
- Maintenance of Graduate register and holding their elections.

Treasurer



M. Maghfoor Anwer Chughtai

TREASURER OFFICE

Services

The Treasurer's Office at NFC Institute of Engineering & Technology (NFC-IET) Multan is the principal administrative office responsible for managing the university's property, finances, and investments. It operates under the NFC IET Multan Act 2012 to ensure transparency, accountability, and the proper management of the Funds of the Institute.

Key Responsibilities

- **Budget Planning & Preparation:** Formulates the annual development and non-development budgets, getting them approved by the Syndicate through the Finance and Planning Committee (F&PC).
- **Fund & Asset Management:** Handles all receipts and expenditures, oversees investments (by establishing competitive bidding through the Institute's Investment Committee), and manages bank accounts.
- **Employee Benefits:** Calculates and disburses salaries, retirement benefits, and maintains the Provident Fund, Pension Fund, Gratuity Fund, and Benevolent Funds for faculty and staff.
- **Student Finances:** Processes student fee collections, scholarships, and various student-related funds.
- **Financial Audits:** Facilitates internal and external audits to ensure financial discipline and compliance with the Ministry of Federal Education and Professional Training and the Auditor General of Pakistan's Regulations.
- **Financial Statements:** Prepare Financial Statements, i.e., Statement of Profit & Loss, Statement of Financial Position, annually in accordance with the International Financial Reporting Standards (IFRS) and International Accounting Standards (IAS).

Contact Information

M. Maghfoor Anwer Chughtai
Treasurer
061-9220012-16 Ext: 5555
061-6302799 (Direct)



Engr. Rasool Ahmad

- **CONTROLLER OF EXAMINATIONS OFFICE**
- **ADMISSIONS INCHARGE**

Services

The Examinations Office works under the supervision of Controller of Examinations. This office is responsible for preparing date sheets, holding semester examinations, maintenance & compilation of results, issuance of degrees, transcripts, result cards, and the general academic setup.

Contact Information

Tel: 061-9220012-16 Ext: 2249
Direct: 061-6302788

Deputy Controller of Examinations
Tel: 061-9220012-16 Ext: 2349

Office
Tel: 061-9220012-16
Ext: 2244 & 2375



Journey to Success

NFC Institute of Engineering and Technology (NFC-IET), Multan, was established in 1985 to meet the technological training needs of the production units of National Fertilizer Corporation of Pakistan, in collaboration with COSMO, Japan. Initially, the institute trained managers, engineers, supervisors, operators, and technicians for the fertilizer and chemical process industries.

The vision for establishing a centre of excellence in engineering and technology in Southern Punjab was strongly supported by Prof. Dr. Saeed Ahmad Khan, who realized the need for an engineering institute in this region, as students from Lahore to Nawabshah had limited access to engineering education. In 1994, NFC-IET was upgraded as the first dedicated engineering institute in Southern Punjab, offering degree programmes in affiliation with Bahauddin Zakariya University, Multan. The first undergraduate programme started in Chemical Engineering with 40 students.

The institute expanded steadily with Electronic Engineering and Computer Systems Engineering in 2001, BS Computer Science in 2008, BS Environmental Science in 2011, and federal degree-awarding status in 2012. New programmes including Mechanical Engineering, Civil Engineering, Architecture, BBA, Engineering Technologies, and Petroleum & Gas Engineering were later introduced. MS programmes began in 2016–2017 BS Artificial Intelligence was launched in 2024, and PhD programmes in Electrical and Chemical Engineering started in 2025, a significant milestone in the academic growth of the Institute and are expected to contribute substantially to its strengthening, development, and future success.

Prof. Dr. Shabbar Atiq joined NFC-IET as Vice Chancellor in January 2026. With his extensive academic and administrative experience, the institute is moving towards further academic growth, institutional strengthening, and future success.



www.nfciet.edu.pk



Vision

NFC-IET committed to provide quality education and skills by providing conducive environment while maintaining self sustainability.

Mission:

To pursue incorporation of academic evaluation standards in all strategic planning, policies and efficient management of financial resources at the Institute.

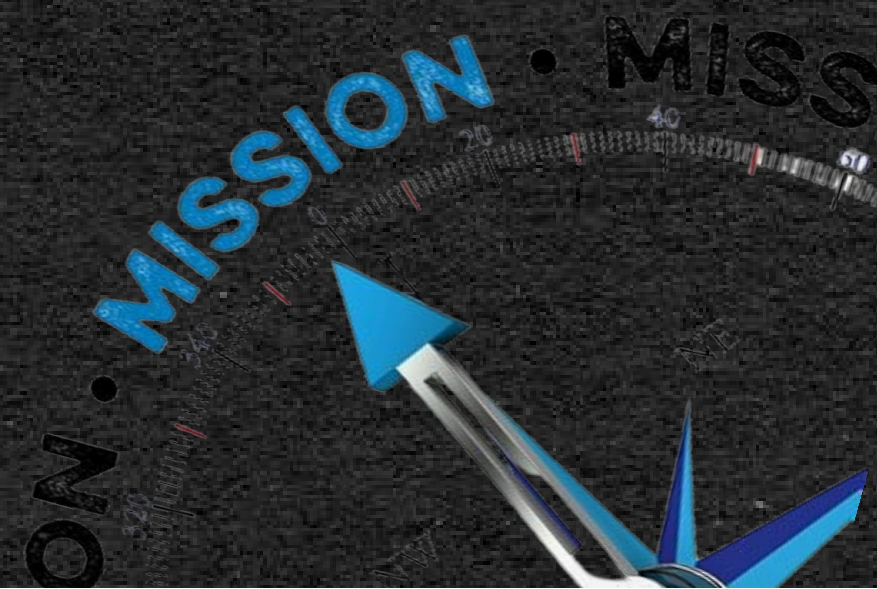
OBE

NFC IET Multan focuses on outcome based education for its engineering and computer science programs. Our curriculum is designed to align with the HEC and PEC guidelines. In addition, our qualified faculty members ensure that all specialized courses, training, and laboratory work integrate state-of-the art research in respective areas.

IN THE FIELD OF TECHNICAL EDUCATION

Inspiring Brilliance Over the years

NFC Institute of Engineering and Technology has built a strong reputation for Technical academic excellence, innovative learning, and professional development. Our experienced faculty members, equipped with qualifications from prestigious institutions and practical industry exposure, prepare students to meet the challenges of a rapidly evolving world. Graduates of NFC IET are recognized for their skills, creativity, and leadership qualities, making them valuable contributors in both national and international organizations.



Facilities & Services



Computing & Internet



Sports Grounds



Libraries



Hostel



Mosque



Laboratories



Transport & Parking Facilities



Medical Facilities



Emergency Rescue Facilities



EVC Service





COMPUTING & INTERNET FACILITIES

The Institute has high speed network setup for the faculty members and students who have an easy access to the internet services like E-Library, web surfing, file transfer, chat and e-mail.



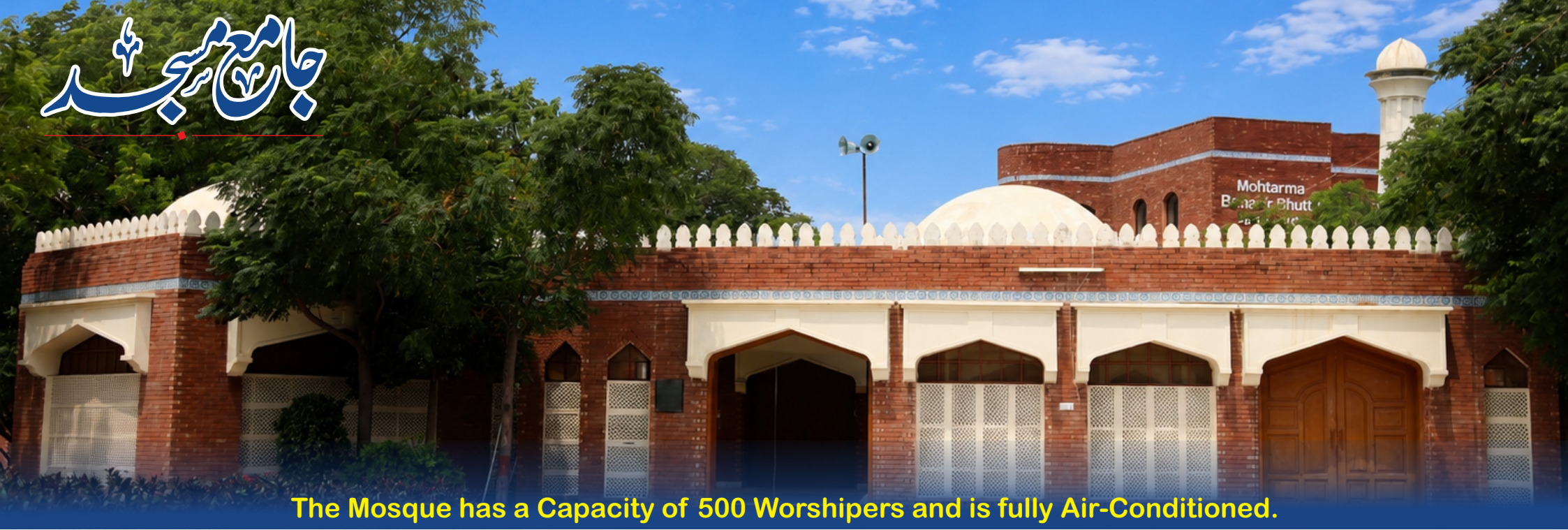
Health Relates to Green





Conducive Environment

جامع مسجد



The Mosque has a Capacity of 500 Worshipers and is fully Air-Conditioned.

HOSTEL

A Home for Learning, Growth, and Success.

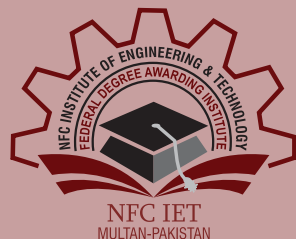


The Institute provides accommodation for 800 Male Students & 300 Female Students.

The Institute provides safe, comfortable, and affordable transport facilities for both day scholars and hostel residents. A modern fleet of buses offers smooth shuttle services for students, faculty, and staff members across the city. With coverage on multiple routes, Institute ensures convenient and timely transportation to important locations every day.



Medical Facility Comprising Fully Equipped Ambulance Service



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DEPARTMENT OF CHEMICAL ENGINEERING



MEET OUR FACULTY



Engr. Dr. M. Saleem Khan
Head, Department of Chemical Engineering

Our Mission

To nurture engineers for industry and academia with strong values of professionalism and scientific inquiry so as to enable them to achieve high standards of industry while maintaining sound financial health.



Engr. Ifkar Ahsan Naqvi
Assistant Professor



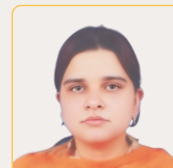
Engr. Nasrullah Khan Babar
Assistant Professor



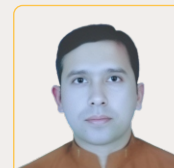
Engr. Rasool Ahmad
Assistant Professor



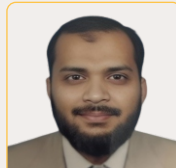
Engr. Imran Iqbal
Lecturer



Engr. Dr. Sana Saeed
Assistant Professor



Engr. Dr. Muhammad Rizwan
Assistant Professor



Engr. Dr. Nadeem Amin
Assistant Professor



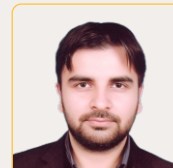
Engr. Mujtaba Ashraf
Assistant Professor



Engr. Dr. Hidayatullah Mahar
Assistant Professor



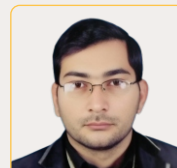
Engr. Shazia Naz
Lecturer



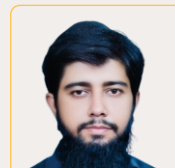
Engr. Dr. Saad Saeed
Lecturer



Engr. Laraib Abid
Lecturer



Engr. Muzaffar Riaz
Lecturer



Engr. Danish Iqbal
Lecturer



Engr. Imran Shamshad
Lecturer



Mr. Tahir Usman
Lecturer

PROGRAMS

We Offer



B.Sc.
Chemical Engineering



M.Sc.
Chemical Engineering



Ph.D.
Chemical Engineering

B.Sc. Program Educational Objectives (PEOs)

PEO 1: Graduates with engineering, technology, analytical, innovative, and effective communication skills to solve industrial problems maintaining sustainable environment.

PEO 2: Graduates capable to handle industrial problems with effective leadership, teamwork, professional competency and maintaining high moral values.

PEO 3: Graduates capable of demonstrating their soft skills using modern tools.

CHEMICAL ENGINEERING

What do chemical engineers do? Although their backgrounds and professional skills are similar, chemical engineers work in a wide variety of industries, in addition to chemicals and petroleum, such as:

Chemical Plant Operation Engineer
Energy Engineer/ Energy Auditor
Manufacturing Production Engineer
Food Engineer
Material Engineer
Pharmaceutical Manufacturer Engineer
Project Engineer
Petroleum Engineer
Safety Engineer
Nuclear Engineer
Environmental Engineer
Water Treatment Engineer
Process Engineer
Sale and Marketing of Chemical Products
Simulation and Modeling Engineer
Waste Management
Universities as a Teaching faculty
Quality Control Engineer



Memorandums of Understanding with Industry and Academia

Memorandums of understanding have been signed with several industrial and organizational entities, to offer the technical expertise of the department for techno-economic growth of industry and social sector. Some of these include,

- 1- Century Paper and Board Mills Limited
- 2- Velosi International
- 3- Water Engineering and Management Services (WEMS)
- 4- Chemical Kinetics
- 5- Multan Chamber of Commerce and Industry
- 6- Bin Rasheed Group
- 7- Khawaja Mineral Industries
- 8- National Cleaner Production Center
- 9- National Productivity Organization
- 10- Volka Foods International
- 11- NUST





Departmental Overview

Advanced laboratories for Unit Operations, Process Control, Reaction Engineering, Heat Transfer, Mass Transfer and more.

Analytical Instruments

Access to advanced analytical instruments for accurate testing and analysis.

Modern Classrooms

Air-conditioned classrooms with audio-visual facilities for effective learning.

Computer & Software Access

High-performance computers and specialized software for simulation, modeling and design



Research & Development

Dedicated research spaces and support for innovative projects and publications.

Expert Faculty

Highly qualified and experienced faculty committed to academic excellence.



Alumni Association



Chemical Department Technical Society (CDTS)



Chemical Department Literary Society (CDLS)



Chemical Department Blood Donation Society



B.Sc. (CHEMICAL ENGINEERING) CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HQ-101	Understanding of Quran-I	0+1	HQ-102	Understanding of Quran-II	0+1
HU-101	Islamic Studies/Ethics	2+0	HU-102	Ideology & Constitution of Pakistan	2+0
ENG-101	Functional English	3+0	ENG-201	Expository Writing	3+0
QR-101	Quantitative Reasoning-I	3+0	QR-102	Quantitative Reasoning-II	3+0
NS-101	Inorganic & Organic Chemistry	2+1	NS-102	Applied Physics	2+1
ID-101	Engineering Drawing & Graphics	0+1	ID-102	Workshop Practice	0+1
CS-101	Application of Information & Comm. Tech.	2+1	NS-112	Physical & Analytical Chemistry	2+1
ChE-101	Chemical Engineering Principles-I	2+0	ChE-102	Chemical Process Industries	3+0
Total Credits		18	Total Credits		19

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
MS-201	Entrepreneurship	2+0	SS-202	Engineering Economics	2+0
ID-301	Applied Electrical Engineering	2+1	CS-301	Numerical Methods with Software Applications	2+1
ChE-301	Integrated Management System	3+0	ChE-305	Instrumentation & Process Control	3+1
ChE-302	Mass Transfer	3+1	ChE-306	Chemical Reaction Engineering	3+1
ChE-303	Fluid Mechanics-II	2+0	ChE-307	Transport Phenomena	3+0
ChE-304	Fuels & Energy	2+1	HU-114	Pak Study	2+0
Total Credits		17	Total Credits		18

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HU-107	Professional Ethics	2+0	MA-102	Linear Algebra & Differential Equation	3+0
HU-201	Civic & Community Engagement	2+0	ID-202	Occupational Health & Safety	1+0
MA-101	Calculus & Analytical Geometry	3+0	CS-201	Programming & Data Science	2+1
ID-201	Engineering Materials	2+0	ChE-204	Chemical Engineering Thermodynamics-II	2+0
ChE-201	Chemical Engineering Thermodynamics-I	2+1	ChE-205	Heat Transfer	3+1
ChE-202	Fluid Mechanics-I	2+1	ChE-206	Particulate Technology	3+1
ChE-203	Chemical Engineering Principles-II	2+0			
Total Credits		17	Total Credits		17

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
ChE-401	Chemical Process Safety	1+0	ID-401	Maintenance & Utility Engineering	3+0
ChE-402	Separation Processes	3+1	MS-401	Project Management	2+0
ChE-403	Chemical Plant Design	3+0	ChE-407	Environmental Engineering	2+1
ChE-404	Process Modeling, Simulation & Optimization	3+1	ChE-408	Depth Elective-II	2+0
ChE-405	Depth Elective-I	2+0	ChE-409	Depth Elective-III	2+0
ChE-406	Design Project-I	0+3	ChE-410	Design Project-II	0+3
Total Credits		17	Total Credits		15

Courses	Credit Hours
General Education/Non-Engineering Domain	45
Engineering Domain	84
Flexible	09
Total Program	138

DEPARTMENT OF ELECTRICAL ENGINEERING

MEET OUR FACULTY



Engr. Dr. Syed Safdar Raza
Head, Department of Electrical Engineering



Engr. Dr. M. Kamran Liaquat Bhatti
Associate Professor



Engr. Makhdoom M Naeem
Assistant Professor



Dr. Abdul Mannan
Assistant Professor



Engr. Dr. M. Siddique
Assistant Professor



Engr. Dr. Serosh Karim Noon
Assistant Professor



Engr. Dr. Tehreem Awan
Assistant Professor



Engr. Dr. Hafiz M. Azib Khan
Assistant Professor



Engr. Zeshan Raza
Assistant Professor



Engr. Mujahid Hussain
Assistant Professor



Engr. Sadaqat Ali
Lecturer



Engr. Dr. Furqan Memon
Lecturer



Engr. Ameer Abbas
Lecturer



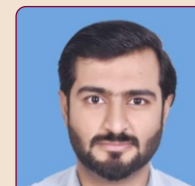
Engr. Muhammad Ahsan Javaid
Lecturer



Engr. Tahir Mahmood Bhatti
Lab Engineer



Engr. Saima Akram
Lab Engineer



Engr. Mughees Riaz
Lab Engineer

PROGRAMS

We Offer

B.Sc.
Electrical Engineering
Electronics Engineering
Power Engineering

MS
Electrical Engineering
in specialization in Power System

Ph.D.
Electrical Engineering

Our Mission

To provide fundamental and specialized knowledge in Electrical Engineering and its sub-areas with an aim to develop skills in critical thinking, communication, teamwork, research and leadership.

B.Sc. Program Educational Objectives (PEOs)

1. Proficiency in engineering knowledge and tools usage for the design, analysis and evaluation of complex engineering problems.
2. Enhance their knowledge and skills while providing effective solutions keeping in view the environmental and societal aspects.
3. Contribute as a team member or manager, demonstrating professionalism.

DEPARTMENTAL OVERVIEW

The Department of Electrical Engineering was established in 2001 and, since then, it has been serving the people of Southern Punjab with dedication and excellence. Being one of the oldest and most prominent degree program at NFC Institute of Engineering & Technology, Multan, the department has maintained a strong tradition of academic distinction and professional integrity. Our alumni hold esteemed positions in numerous national and international organizations, while our graduates continue to make a lasting impact across diverse sectors including design and infrastructure, service industries, research and development, and beyond. The department offers a comprehensive undergraduate program in Electrical Engineering with specialization in the following areas:

1. Electronics Engineering
2. Electrical Power Engineering

Supported by a highly qualified and experienced faculty possessing diversified academic and industrial backgrounds, the department provides students with a balanced blend of theoretical knowledge and practical exposure. Faculty members actively contribute to teaching, research, and industry collaboration, ensuring that students develop both strong conceptual foundations and real-world engineering insight. The curriculum is carefully structured to build solid foundational knowledge during the initial semesters, while progressively promoting innovation, analytical thinking, and problem-solving skills. Emphasis is placed on hands-on learning through well-equipped modern laboratories and project-based coursework.

1. Power Electronics Lab
2. Electronics Lab
3. Microprocessor & Digital Electronics Lab
4. Computer Lab
5. Project Lab
6. Communication Lab
7. General Purpose Computer Lab
8. Electrical Machines Lab
9. Instrumentation & Industrial Electronics Lab
10. Power System Lab
11. Control Lab
12. ETAP Power Lab



The graduates of the Department of Electrical Engineering are successfully placed in reputable national and international organizations across diverse engineering domains. Our Power stream graduates have been serving at established positions within the energy and power sector, including power generation, distribution, and renewable energy projects, particularly in solar and alternate energy systems, contributing to modern grid infrastructure and sustainable energy solutions in both public and private sectors. Electronics stream graduates are well positioned in multinational industries and leading organization engaged in electronic system design, instrumentation, automation and communication technologies, serving effectively in both government and private sector institutions. Our Department maintains strong industry linkages and regularly organizes job drives and recruitment in collaboration with leading national organizations. The department ensures that its graduates are well equipped to excel in competitive professional environments worldwide. Through strong academic preparation and industry-oriented training.



B.Sc. ELECTRICAL ENGINEERING CURRICULUM-2026

Specialization in Electronics and Power Engineering

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HQ-101	Understanding of Quran-1	1+0	HQ-102	Understanding of Quran-2	1+0
ENG-101	Functional English	3+0	MT-201	Differential Equations	3+0
MT-101	Calculus and Analytical Geometry	3+0	NS-109	Discrete Mathematics (Natural Science Elective)	3+0
EE-101	Linear Circuit Analysis	3+1	GE-102	Electrical Workshop Practice	0+1
CS-101	Applications of ICT	2+1	HU-102	Ideology & Constitution of Pakistan	2+0
GE-101	Engineering Drawing	0+1	CS-102	Computer Programming	3+1
NS-102	Applied Physics	2+1	EE-102	Electronic Devices and Circuits	3+1
Total Credits		18	Total Credits		18

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
MT-202	Complex Variables and Transforms	3+0	HU-XXX	Social Sciences (Elective)	2+0
HU-301	Arts and Humanities (Comm. & Presentation Skills)	2+0	MT-102	Linear Algebra	3+0
EE-201	Digital Logic Design	3+1	MT-203	Probability and Statistics for Engineers	3+0
CS-201	Data Structure and Algorithms	3+1	HU-101	Islamic Studies/Ethics	2+0
EE-202	Electrical Network Analysis	3+1	EE-203	Signals and Systems	3+1
HU-202	Occupational Health and Safety	1+0	EE-204	Electromagnetic Field Theory	3+0
Total Credits		18	Total Credits		17

Arts and Humanities Electives

HU-104 History
 HU-107 Professional Practices
 HU-109 Philosophy
 HU-110 Elementary Spanish
 HU-111 Elementary Arabic
 HU-112 Elementary French
 HU-113 Elementary Chinese
 HU-201 Civics and Community Engagement
 HU-202 Occupational Health & Safety
 HU-301 Communication and Presentation Skills

Electives for Social Science

SS-201 Sociology
 SS-203 Organizational Behavior
 SS-204 Psychology

SS-208 Critical Thinking
 SS-210 Engineering Laws
 SS-211 Engineering Economics
 SS-213 Engineering Management
 SS-216 Leadership and Personal Grooming

Electives for Natural Science

NS-104 Essential of Biology
 NS-108 Multi variable Calculus
 NS-109 Discrete Mathematics
 NS-110 Numerical Analysis
 NS-111 Applied Chemistry

DEPTH ELECTIVES

Electives for Power Stream
 PE-301 Power Generation (Depth Core-I)
 PE-401 Power System Analysis (Depth Core-II)

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
EE-301	Electrical Machines	3+1	EE-304	Linear Control Systems	3+1
EE-302	Microprocessors and Interfacing	3+1	EE-305	Power Distribution & Utilization	3+1
EE-303	Communications Systems	3+1	XX-301	Depth Elective (Core-I)	3+0/1
HU-201	Civics and Community Engagement	2+0	MS-201	Entrepreneurship	2+0
GE-XXX	Multi-Disciplinary Engineering (Elective)	3+0	ENG-201	Expository Writing	3+0
Total Credits		17	Total Credits		16/17

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HU-103	Pakistan Studies	2+0	MS-401	Project Management	2+0
XX-401	Depth Elective (Core-II)	3+0/1	XX-XXX	Open Elective-II	3+0
XX-XXX	Depth Elective-I	3+0/1	XX-XXX	Depth Elective-III	3+0/1
XX-XXX	Depth Elective-II	3+0/1	XX-XXX	Depth Elective-III	3+0
XX-XXX	Open Elective-I	3+0	EE-425	Final Year Project-II	0+4
EE-415	Final Year Project-I	0+2	Total Credits		16/17
Total Credits		16/19	Total Credits		16/17

PE-402 Electrical Power Transmission (Depth Elective I)
 PE-403 Power System Protection (Depth Elective II)
 PE-404 Power System Operation & Control
 PE-405 Electrical Machine Design & Maintenance
 PE-406 High Voltage Engineering
 PE-407 Renewable Energy Systems
 PE-408 FACTS and HVDC Transmission
 PE-409 Smart Grid
 PE-410 Instrumentation and Measurement
 EE-411 Power Electronics

Electives for Electronics Stream

EC-301 Electronic Circuit Design (Depth Core-I)
 EC-401 Power Electronics (Depth Core-II)
 EC-402 FPGA Based Digital Design (Depth Elective I)
 EC-403 Digital Signal Processing (Depth Elective II)

EC-404 Analogue Integrated Electronics
 EC-405 VLSI Design
 EC-406 Optoelectronic
 EC-407 Digital Control Systems
 EC-408 Biomedical Instrumentation
 EC-409 Wave Propagation and Antennas
 EC-410 RF and Microwave Engineering
 EC-411 Nano technology
 EC-412 Micro Electro Mechanical Systems (MEMS)
 EC-413 Industrial Electronics
 EC-414 Application Specific Integrated Circuits Design
 CS-411 Digital Signal Processing
 CS-414 Artificial Intelligence
 CS-415 Embedded system
 CS-427 Internet of Things

DEPARTMENT OF CIVIL ENGINEERING

Department
of
Civil Engineering

Khan of Kalan
Mir Ahmed Yar Khan
Block

MEET OUR FACULTY

HOD



Engr. Dr. Syed Adnan Raheel Shah

Head, Department of Civil Engineering



Engr. Shafiq ur Rahman

Lecturer



Engr. Waqar Mumtaz

Lecturer



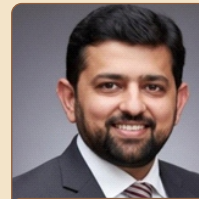
Engr. Akmal Shehzad

Lecturer



Engr. Saulat Jillani

Lecturer



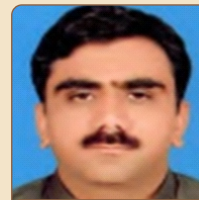
Engr. Ahsan Rehman Khan

Lecturer



Engr. Mudassir Abbas

Lecturer



Engr. Muhammad Ali Kalroo

Lab Engineer

PROGRAMS

We Offer



B.Sc.
Civil Engineering



MS
Civil Engineering

B.Sc. Program Educational Objectives (PEOs)

- PEO-1: Effective role towards the civil engineering profession based on technical knowledge, analysis skills, and commitment to sustainability.
- PEO-2: Capability of investigating, planning, designing, and management of civil engineering projects through professional modern tools with an emphasis on research and innovation.
- PEO-3: Effective communication skills with ethical values and teamwork to contribute in multi-disciplinary projects.
- PEO-4: Passion for continuous learning in the context of social, environmental, and ethical aspects for the betterment of society through sustainable practices.

Our Mission

To deliver a high-quality civil engineering education that fosters essential skills, innovative thinking, cutting-edge research and ethical values within a supportive learning environment. The Civil Engineering program commits to sustainable practices by embedding high academic evaluation standards in strategic planning and resource management, empowering graduates to contribute effectively to the profession and address critical societal and environmental challenges.

DEPARTMENTAL OVERVIEW

Civil Engineering department is a purpose built building that offers ample space for laboratories, training rooms, spacious class rooms, meeting and discussion rooms, video conference rooms, and faculty offices. Facilities in the labs are for better learning and to prepare them to fulfill the future job requirements. Following facilities are available in our lab:

Well-Equipped Laboratories:

State-of-the-art laboratories supporting practical learning and experimentation in the fields of Geotech, Transportation, Structures, Water Resource Management and Construction Management

Advanced Analytical Instruments:

Modern testing and analytical equipment for material characterization and engineering investigations.

Modern Classrooms:

Air-conditioned, Spacious and technology-enabled classrooms. Multimedia facilities including projectors, smart teaching aids, and internet access.

Computer and Software Access:

Dedicated computer laboratories .Access to industry-standard engineering software such as AutoCAD, Civil 3D, ETABS, SAP2000, STAAD Pro, Primavera, MATLAB, and GIS applications.

Research and Development:

Active engagement in applied and interdisciplinary research. Opportunities for undergraduate and postgraduate research projects.

Expert Faculty:

Highly qualified and experienced faculty members specializing in diverse areas of Civil Engineering.



The B.Sc. Civil Engineering program is accredited by the Pakistan Engineering Council (PEC) at Level-II under the Outcome-Based Education (OBE) system. As a full signatory to the Washington Accord, PEC ensures that accredited engineering programs meet internationally recognized standards of engineering education. This accreditation reflects the institution's strong commitment to Outcome-Based Education (OBE), Quality Management Systems (QMS), and Continuous Quality Improvement (CQI). Consequently, graduates of the program benefit from international recognition of their qualifications in Washington Accord signatory countries, including the USA, UK, Canada, Australia, New Zealand, and others, subject to the respective professional registration and immigration requirements of those countries.



B.Sc. (CIVIL ENGINEERING) CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
QR-101	Quantitative Reasoning-I	3+0	QR-102	Quantitative Reasoning-II	3+0
ENG-101	Functional English	3+0	HU-101	Islamic Studies / Ethics	2+0
HU-102	Ideology and Constitution of Pakistan	2+0	CS-101	Applications of ICT	2+1
NS-111	Applied Physics and Electro-Mechanical Fundamentals	2+1	CE-121	Engineering Surveying	2+1
CE-112	Civil Engineering Materials	2+1	CE-122	Engineering Mechanics	2+1
CE-113	Engineering Drawing and CAD	1+2	CE-123	Engineering Geology	2+0
HQ-101	Understanding of Holy Quran/Fehm-e-Quran-I	0+1	HQ-102	Understanding of Holy Quran/Fehm-e-Quran-II	0+1
Total Credits		18	Total Credits		17

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
MA-201	Advanced Calculus	3+0	MA-202	Applied Mathematics	3+0
ENG-201	Expository Writing	3+0	HU-201	Civics and Community Engagement	2+0
CE-231	Construction Engineering & Economics	2+0	CE-242	Soil Mechanics	2+1
CE-232	Computer Aided Civil Engg. Design & Graphics	1+2	CE-243	Fluid Mechanics	2+1
CE-233	Mechanics of Solids-I	2+1	CE-244	Structural Analysis-I	3+0
CE-234	Advanced Engineering Surveying and Geoinformatics	2+1	CE-245	Mechanics of Solids-II	2+1
Total Credits		17	Total Credits		17

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
MA-301	Numerical Analysis	3+0	CE-361	Programming, Simulation and Artificial Intelligence	2+1
CE-350	Occupational Health & Safety Management	1+0	CE-362	Highway and Traffic Engineering	2+1
CE-351	Engineering Hydrology	2+1	CE-363	Structural Analysis-II	3+0
CE-352	Reinforced Concrete Design	2+1	CE-364	Environmental Engineering	2+1
CE-353	Advanced Fluid Mechanics	2+1	CE-365	Irrigation and Drainage Engineering	2+1
CE-354	Hazards and Disaster Management	1+0	CE-366	Advanced RC Design and Earthquake Engg.	2+1
CE-355	Geotechnical & Foundation Engineering	3+1	Total Credits		18
Total Credits		17	Total Credits		18

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HU-107	Professional Ethics	2+0	MS-201	Entrepreneurship	2+0
HU-114	Pakistan Studies	2+0	SS-481	Contract Management and Law	2+0
MS-401	Project Management	1+1	CE-482	Architecture Design & Town Planning	1+1
CE-472	Research Methods and Digital Civil Engineering	1+1	CE-483	Quantity Surveying & Cost Estimation	2+1
CE-473	Hydraulics Engineering	2+1	CE-484	Steel Structures	2+0
CE-474	Transportation System Engineering	3+0	CE-485	Sustainable Structural Design and Retrofitting	2+1
CE-475	Professional Field Training/Internship**	0+1	CE-486	Development Works and SDGs	0+0
CE-498	Final Year Project (Part-A)	0+3	CE-499	Final Year Project (Part-B)	0+3
Total Credits		18	Total Credits		18

**Professional Field Training/Internship (Summer after 6th Sems-Graded with 7th Semester)+ Community Service can be conducted once after 4th or 6th semester(summer)

***Internship (6-8 week),Survey Camp (2 weeks) are mandatory to fulfil the degree requirement.

**** Curriculum can be revised any time with approval of BoS based on AC/PEC/HEC recommendations.

DEPARTMENT OF MECHANICAL ENGINEERING

MEET OUR FACULTY



Engr. Dr. Syed Nasir M. Gardezi
Head, Department of Mechanical Engineering



Engr. Dr. M. Punhal Sahto
Assistant Professor



Engr. Mirza Zohaib
Assistant Professor



Engr. Sajjad Ur Rehman
Lecturer



Engr. Muhammad Umair
Lecturer



Engr. Umer Bin Nooman
Lecturer



Engr. Muhammad Hassan
Lecturer



Engr. Arfa
Lab Engineer

Our Mission

To provide Research based education that builds within students a solid foundation in Mechanical Engineering Principles having critical and creative thinking, communication and problem-solving abilities and prepares motivated graduates possessing the ability of continuous social/professional growth.

PROGRAMS

We Offer



B.Sc.
Mechanical Engineering



MS
Mechanical Engineering

B.Sc. Program Educational Objectives (PEOs)

1. Provide sustainable solutions to challenging mechanical engineering problems using acquired knowledge.
2. Exhibit continual professional growth in learning modern engineering and its applications.
3. Work as effective team members with leadership qualities and communication skills.
4. Work ethically and contribute towards socio-technical development of the country.

DEPARTMENTAL OVERVIEW

The Department is equipped with modern laboratories, workshops, and learning facilities that provide students with practical exposure and technical expertise in core engineering disciplines. These facilities support hands-on training, experimental learning, research activities, and project-based education, enabling students to strengthen their analytical, design, and problem-solving skills. The department offers a dynamic learning environment that prepares graduates to meet the demands of modern engineering industries and technological advancements.

Well-Equipped Laboratories

Modern laboratories for Thermodynamics, Fluid Mechanics, Power Plant, IC Engines, Heat Transfer, Manufacturing, 3D Printing, Materials Testing, and CAD/CAM.

Advanced Engineering Software

Access to industry-standard software including AutoCAD, SolidWorks, ANSYS, and MATLAB.

Modern Classrooms

Air-conditioned classrooms equipped with multimedia and audio-visual teaching aids.

Research & Innovation Facilities

Support for undergraduate and postgraduate research, final year projects, and innovative engineering solutions.

Industrial Linkages & Practical Training

Industrial visits, internships, and collaborative activities to enhance practical exposure.

Expert Faculty

Highly qualified and experienced faculty committed to quality education, research, and professional development.



Students actively participate in technical societies, professional development activities, community service, and extracurricular events. Through seminars, workshops, engineering competitions, industrial visits, and awareness campaigns, students enhance their leadership, teamwork, communication, and problem-solving skills. These activities contribute to their personal growth and prepare them to become responsible engineers and valuable members of society.



B.Sc. MECHANICAL ENGINEERING CURRICULUM 2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HU-101T	Islamic Studies	02	HU-102T	Ideology & Constitution of Pakistan	02
ENG-101T	Functional English	03	HU-107T	Professional Ethics	02
MA-101T	Calculus & Analytical Geometry	03	CS-102T	Computer System & Programming	02
NS-102T	Applied Physics	02	MA-104T	Vector & Complex Variables	03
NS-102P	Applied Physics Lab	01	CS-102P	Computer System & Programming Lab	01
CS-101T	Applications of ICT	02	ME-121T	Engineering Mechanics-II (Dynamics)	02
CS-101P	Applications of ICT Lab	01	ME-122T	Engineering Drawing & Graphics	01
ME-111T	Engineering Mechanics-I (Statics)	02	ME-123T	Industrial Materials	02
ME-112T	Workshop Practice	01	ME-122P	Engineering Drawing & Graphics Lab	01
ME-112P	Workshop Practice Lab	01	ME-124P	Engineering Mechanics Lab	01
HQ-001P	Understanding of Quran	01			
Total Credits		19	Total Credits		17

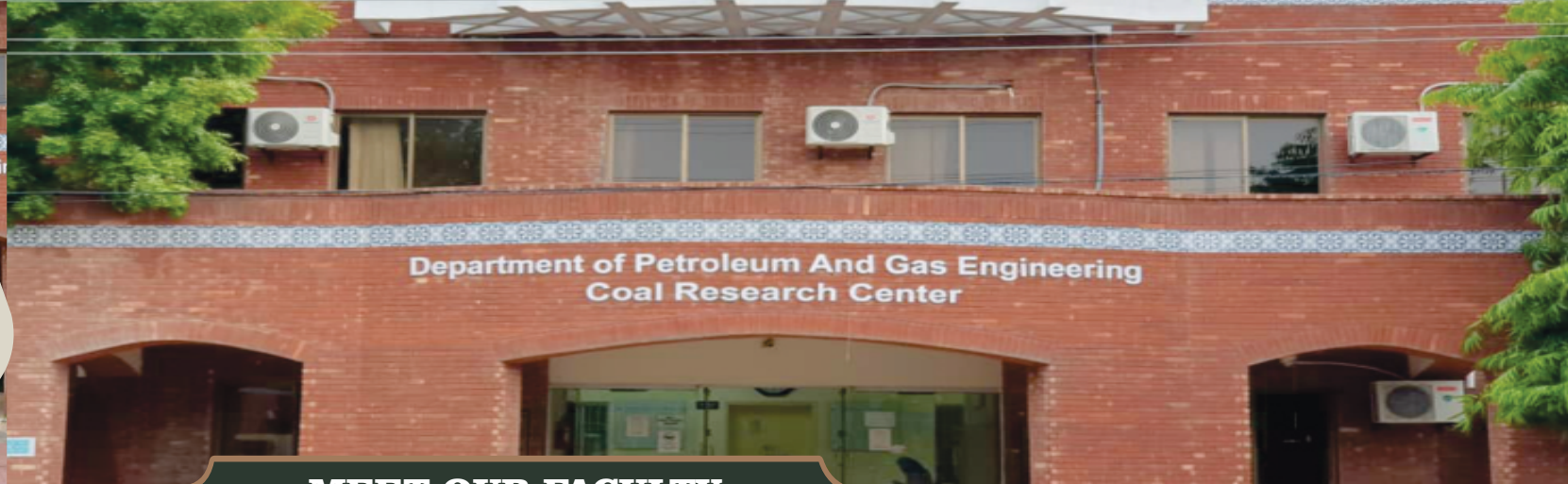
SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
MA-103T	Differential Equations	03	ENG-201T	Expository Writing	03
EE-201T	Electrical Engineering	02	HU-201T	Civics & Community Engagement	02
EE-201P	Electrical Engineering Lab	01	ME-246P	Fluid Mechanics Lab	01
ME-231T	Thermodynamics-I	03	ME-241T	Mechanics of Materials-II	03
ME-232T	Mechanics of Materials-I	02	ME-242T	Thermodynamics-II	03
ME-233T	Manufacturing Processes	02	ME-243T	Fluid Mechanics-II	03
ME-233P	Manufacturing Processes Lab	01	ME-244T	Machine Design & CAD-I	02
ME-234T	Fluid Mechanics-I	03	ME-244P	Machine Design & CAD-I Lab	01
HQ-003P	Understanding of Quran	01	ME-245P	Thermodynamics Lab	01
Total Credits		18	Total Credits		19

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
MA-301T	Engineering Statistics	02	NS-110T	Numerical Analysis	02
MS-101T	Health, Safety & Environment	01	MS-201T	Entrepreneurship	02
EE-302T	Industrial Electronics	02	ME-361T	Mechanics of Machines-II	02
EE-302P	Industrial Electronics Lab	01	ME-363P	Mechanics of Machines Lab	01
ME-351T	Machine Tools & Machining	02	ME-362T	Refrigeration & Air Conditioning	03
ME-351P	Machine Tools & Machining Lab	01	ME-364T	Heat & Mass Transfer	03
ME-352T	Machine Design & CAD-II	02	ME-365T	Finite Element Analysis	02
ME-352P	Machine Design & CAD-II Lab	01	ME-365P	Finite Element Analysis Lab	01
ME-353T	Mechanics of Materials-II	02	ME-366P	HMT & RAC Lab	01
ME-354P	Mechanics of Materials Lab	01			
ME-355T	Metrology & Quality Assurance	02			
ME-355P	Metrology & Quality Assurance Lab	01			
Total Credits		18	Total Credits		17

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CS-403T	Applied AI & Machine Learning	02	MS-401T	Project Management	03
CS-403P	Applied AI & Machine Learning Lab	01	ME-481T	Instrumentation & Control	02
ME-471T	Power Plant	03	ME-481P	Instrumentation & Control Lab	01
ME-472T	IC Engine	03	ME-482T	Mechanical Vibration	02
ME-473P	IC Engine & Power Plant Lab	01	ME-482P	Mechanical Vibration Lab	01
ME-4XYT	Technical Electives-I	02	ME-4XYT	Technical Electives-II	02
ME-4XYP	Technical Electives-I Lab	01	ME-4XYP	Technical Electives-II Lab	01
ME-499	FYDP-I	03	ME-499	FYDP-II	03
Total Credits		16	Total Credits		15

TECHNICAL ELECTIVE COURSES					
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
ME-414T	Renewable Energy Technology	02	ME-424T	Computational Fluid Dynamics	02
ME-414P	Renewable Energy Technology Lab	01	ME-424P	Computational Fluid Dynamics Lab	01
ME-415T	Maintenance Engineering	02	ME-425T	Reverse Engineering And Inspection Techniques	02
ME-415P	Maintenance Engineering Lab	01	ME-425P	Reverse Engineering And Inspection Techniques Lab	01
ME-416T	Automotive Engineering	02	ME-426T	Advanced Manufacturing Systems	02
ME-416P	Automotive Engineering Lab	01	ME-426P	Advanced Manufacturing Systems Lab	01
ME-423T	Robotics	02			
ME-423P	Robotics Lab	01			
Total Credits		12	Total Credits		09

DEPARTMENT OF PETROLEUM & GAS ENGINEERING



MEET OUR FACULTY



Engr. Dr. Sheraz Ahmad

Head, Department of Petroleum & Gas Engineering



Engr. Dr. Subhan Azeem

Associate Professor



Engr. Momna Khan

Lecturer



Engr. M. Mubeen-ur-Rehman

Lecturer



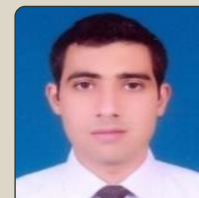
Engr. Muzaffar Riaz

Lecturer



Engr. Tahir Zahoor

Lecturer



Engr. Omar Anwar

Lecturer

PROGRAMS

We Offer



B.Sc.
Petroleum & Gas
Engineering

B.Sc. Program Educational Objectives (PEOs)

PEO1-To develop Petroleum engineers with comprehensive engineering and scientific knowledge and technical skills to solve complex engineering problems.

PEO2-To develop critical thinking in graduates so that they can identify, analyze, solve, and design new problems using modern tools and simulation techniques.

PEO3-To develop a sense of responsibility, effective communication skills, and the ability to work independently as well in a team.

PEO4-To develop ethical values, management qualities, and innovative ideas that can promote sustainable development among graduates to continue lifelong learning to meet future challenges.

Our Mission

The mission is to produce qualified and well-versed Petroleum Engineers equipped with strong foundations in engineering sciences, able to find viable solutions, and skills to enter executive technical positions in energy and public sector industry and organizations.

DEPARTMENTAL OVERVIEW

Petroleum & Gas Engineering department is a purpose-built building that offers ample space for laboratories, training rooms, spacious classrooms, meeting and discussion rooms, video conference rooms, and faculty offices. Facilities in the labs are for better learning and to prepare them to fulfill the future job requirements. Following facilities are available in our labs.

Advanced Analytical Lab

Provides advanced research facilities for coal utilization, clean energy technologies, and sustainable industrial applications.

Latest Computers

Equipped with modern computer systems to support academic, research, and technical computing needs.

Air conditioned classrooms

Offers a comfortable and conducive learning environment for effective teaching and learning.

Access to Free Wi-Fi

Provides high-speed internet connectivity to support academic, research, and communication activities.

Highly Equipped computers for specialized applications

Features high-performance computing resources for simulation, modeling, design, and specialized engineering software.

Research clusters

Promotes collaborative research and innovation through multidisciplinary teams working on emerging technologies and industrial challenges.



Students of the department actively participate in social and student society activities to promote leadership, teamwork, and social responsibility alongside their academic growth. They regularly organize and contribute to initiatives such as blood donation camps, fundraising drives for flood victims and other affected communities, and awareness campaigns addressing social and environmental issues. Through these engagements, students develop empathy, organizational skills, and a strong sense of community service. Participation in healthy co-curricular and extracurricular activities not only enriches their university experience but also prepares them to become responsible professionals and compassionate members of society.



B.Sc. PETROLEUM & GAS ENGINEERING CURRICULUM 2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HQ-101	Understanding of Quran-I	0+1	HQ-102	Understanding of Quran-II	0+1
ENG-101	Functional English	3+0	QR-102	Quantitative Reasoning-II	3+0
HU-101	Islamic Studies	2+0	NS-102	Applied Physics	2+1
HU-103	Logic and Critical Thinking	2+0	MA-101	Calculus and Analytical Geometry	3+0
QR-101	Quantitative Reasoning-I	3+0	HU-114	Pakistan Studies	2+0
ID-102	Workshop Practices	0+1	Geo-107	Applied Geology and Structural Stratigraphy	3+1
CS-101	Application of Information & Comm. Technology	2+1	ID-103	Engineering Drawing	1+1
PET-101	Fundamentals of Petroleum Engineering	3+0			
Total Credits		18	Total Credits		18

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HU-102	Ideology & Constitution of Pakistan	2+0	MS-201	Entrepreneurship	2+0
ENG-201	Expository Writing	3+0	ID-219	Principles of Electrical Engineering	2+1
SS-201	Sociology	2+0	ID-218	Applied Thermodynamics	2+1
MA-103	Differential Equations	3+0	PG-202	Drilling Engineering-I	3+1
ID-216	Fluid Mechanics	2+1	PG-205	Properties of Reservoir Fluids	2+1
HU-201	Civics & Community Engagement	2+0	CS-201	Computer Programming and Data Science	2+1
PG-203	Petroleum Geology and Geophysical Exploration	3+0			
Total Credits		18	Total Credits		18

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CS-321	Applied Numerical Methods	2+1	PG-310	Natural Gas Processing & Pipeline Management	3+1
ID-301	Environmental and Safety Management	3+0	PG-307	Well Logging	2+1
ID-220	Mechanics of Materials	2+1	PG-308	Reservoir Engineering-I	3+1
PG-304	Petrophysics	2+1	PG-309	Petroleum Production Engineering-I	3+0
PG-306	Drilling Engineering-II	3+1	ID-	Elective-I	2+1
Total Credits		16	Total Credits		17

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
PG-411	Well Testing	3+1	PG-419	Field Development Planning & Project Mgt.	3+1
PG-412	Petroleum Production Engineering-II	3+1	PG-415	Principles of Enhanced Oil Recovery	3+1
PG-413	Reservoir Engineering-II	3+1	PG-417	Petroleum Economics	2+0
PG-	Elective-II	3+0	PG-416	Reservoir Simulation	3+1
PG-414	Final Year Project (Phase-I)	0+3	PG-418	Final Year Project (Phase-II)	0+3
PG-421	Professional Field Training/Internship**	0+0			
Total Credits		18	Total Credits		17

** 6 to 8 weeks Internship or Field Training is mandatory for students to fulfill the degree requirement. It can be availed at least once during summer after 4th or 6th semester.

ELECTIVE-I			ELECTIVE-II		
Code	Course Title		Code	Course Title	
CH-325	Petroleum Refinery Engineering	2+1	PG-410	Unconventional Reservoirs	3+0
CH-326	Instrumentation and Process Control	2+1	PG-411	Reservoir Geomechanics	3+0

DEPARTMENT OF COMPUTER ENGINEERING

MEET OUR FACULTY



Engr. Makhdoom M Naeem
Head, Department of Computer Engineering

Our Mission

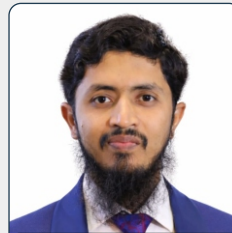
To provide fundamental and specialized knowledge in Computer Engineering with an aim to develop skills in critical thinking, communication, teamwork, research and leadership, thus making meaningful contribution to society.



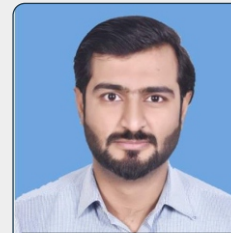
Engr. Dr. M. Siddique
Assistant Professor



Engr. Haider Riaz
Lecturer



Engr. Syed Umair Asghar
Lecturer



Engr. Mughees Riaz
Lab Engineer



Engr. Saima Akram
Lab Engineer

The Bachelor of Science in Computer Engineering (B.Sc.) program is designed to equip students with a strong foundation in both computer hardware and software technologies. The program integrates principles of electrical engineering, computer science, and information technology to develop innovative computing systems and intelligent solutions. Students gain theoretical knowledge and practical skills in computer architecture, embedded systems, digital system design, networking, cyber security, artificial intelligence, Internet of Things (IoT), cloud computing, and software development.

The curriculum emphasizes hands-on learning through laboratory work, industry-oriented projects, internships, and research activities. Graduates are prepared to address real-world engineering challenges and contribute effectively to the rapidly evolving digital and technological landscape.

PROGRAMS

We Offer



B.Sc
Computer Engineering

B.Sc. Program Educational Objectives (PEOs)

1. Demonstrate competence in the professional practice of computer engineering.
2. Fulfill the technological needs of society in an ethical, moral, and socially responsible manner.
3. Exhibit an ability to function and communicate effectively as an individual or team member and show management and entrepreneurial potential
4. Engage in lifelong learning to continually enhance personal and professional capabilities.

B.Sc. COMPUTER ENGINEERING CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HQ-101	Understanding of the Quran-I	0+1	HQ-102	Understanding of the Quran-II	0+1
HU-111	Islamic Studies	2+0	QR-102	Linear Algebra (QR-II)	3+0
CIS-111	Application of Information and Communication Technology	2+1	CIS-121	Computer Programming	3+1
QR-101	Calculus and Analytical Geometry (QR-1)	3+0	EF-122	Electronic Devices and Circuits	3+1
ENG-101	Functional English	3+0	NS-102	Applied Physics	2+1
HU-107	Professional Practices (A&H)	2+0	HU-102	Ideology & Constitution of Pakistan	2+0
EE-101	Circuit Analysis	3+1	EF-121	Engineering Workshop	0+1
Total Credits		18	Total Credits		18

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CB-311	Microprocessors and Interfacing	3+1	CB-321	Database Management System	3+1
CB-312	Digital Signal Processing	3+1	CD-321	CEDE -I	3+0
CB-313	Computer Communication Networks	3+1	CD-322	Artificial Intelligence (CEDE -II)	3+1
CB-314	Operating System	3+0	CB-322	Software Engineering	3+0
MS-321	Engineering Project Management	2+0	NS-321	Probability and Statistics	3+0
Total Credits		17	Total Credits		17

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
EF-211	Digital Logic Design	3+1	NS-221	Differential Equations	3+0
ENG-201	Expository Writing	3+0	EF-221	Data Structures and Algorithms	3+1
EF-212	Object-Oriented Programming	3+1	EF-222	Computer Organization and Architecture	3+0
HU-201	Civics & Community Engagement	2+0	EF-223	Signal & Systems	3+1
NS-211	Complex Variables and Transform	3+0	CIS-211	Discrete Structure	3+0
SS-203	Organizational Behavior	2+0	Total Credits		17
Total Credits		18	Total Credits		17

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
MS-411	Entrepreneurship	2+0	CD-421	CEDE -IV	3+0
CB-411	Digital System Design	3+1	MD-421	MDEE -I	3+0
CD-411	Cloud and Distributed Computing (CEDE-III)	3+0	MD-422	MDEE - II	3+1
NS-411	Numerical Analysis	2+1	HU-422	Pakistan Studies	2+0
MDE-411	Occupational Health and Safety	1+0	FYP-422	Final Year Project II	0+3
FYP-411	Final Year Project I	0+3	Total Credits		15
Total Credits		16	Total Credits		15

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

DEPARTMENT OF
FOOD SCIENCE AND TECHNOLOGY
Zulfiqar Ali Bhutto Shaheed
Block

MEET OUR FACULTY



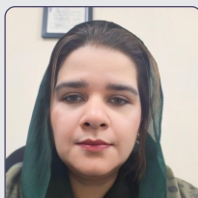
Dr. Muhammad Subhan Azeem

Head, Department of Food Science and Technology



Dr. Aimen Shabbir

Assistant Professor



Engr. Dr. Sana Saeed

Assistant Professor



Engr. Muzaffar Riaz

Lecturer



Ms. Irza Saif

Lecturer



Mr. Nasir Saleem

Visiting Lecturer



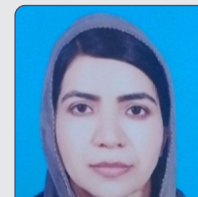
Ms. Aqsa Riaz

Visiting Lecturer



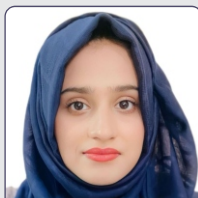
Iqra Saleem

Visiting Lecturer



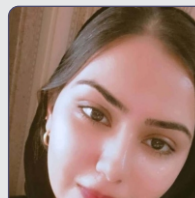
Ms. Sadia Fiaz

Visiting Lecturer



Ms. Naima

Visiting Lecturer



Syeda Eman Fatima

Visiting Lecturer

PROGRAMS

We Offer



BS

Food Science and
Technology

BS.Program Educational Objectives (PEOs)

PEO 1. Apply Food Science and Technology knowledge to identify and address technical and societal problems related to the food system.

PEO 2. Demonstrate entrepreneurship skills and take the initiative to develop innovative ideas for professional growth keeping in view their environmental impacts.

PEO 3. Learn continuously and work effectively as a team lead in a multidisciplinary environment while demonstrating interpersonal and managerial skills with ethical responsibilities.

Our Mission

We are endeavoring to produce outstanding professionals equipped with quality knowledge, skills, and attitudes that prepare them to become leaders and innovators in the field of Food Science and Technology.

NFC-IET MULTAN

PROSPECTUS-2026

DEPARTMENTAL OVERVIEW

The Food Science and Technology department is a purpose-built building that offers ample space for laboratories, training rooms, spacious classrooms, meeting and discussion rooms, video conference rooms, and faculty offices. Facilities in the labs are for better learning and to prepare them to fulfill future job requirements.

Our Laboratories

Food Analysis Lab

Human Physiology and Anatomy Lab

Assessment of Nutritional Status

Computer Lab

Bio Chemistry Lab

Food Processing and Preservation Lab

Food Microbiology Lab

Fluid Mechanics Lab

Instrumental Techniques in Food Analysis Lab



Students of the department actively participate in social and student society activities to promote leadership, teamwork, and social responsibility alongside their academic growth. They regularly organize and contribute to initiatives such as blood donation camps, fundraising drives for flood victims and other affected communities, and awareness campaigns addressing social and environmental issues. Through these engagements, students develop empathy, organizational skills, and a strong sense of community service. Participation in healthy co-curricular and extracurricular activities not only enriches their university experience but also prepares them to become responsible professionals and compassionate members of society.



BS FOOD SCIENCE AND TECHNOLOGY CURRICULUM-2026

MINOR: HUMAN NUTRITION & DIETETICS

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
FST-101	Essentials of Food Sciences	2+1	HU-101	Islamic Studies	2+0
NS-101	Basic Biology	3+0	FST-103	Stoichiometric Calculations	3+0
HU-102	Ideology and Constitution of Pakistan	2+0	QR-102	Quantitative Reasoning-II	3+0
CS-101	Applications of Information & Communication Tech.	2+1	FST-104	Fundamentals of the Food System	3+0
FST-102	Physical Properties of Food	3+0	ENG-101	Functional English	3+0
QR-101	Quantitative Reasoning-I	3+0	HU-108	History of Culture and Civilization	2+0
HQ-101	Understanding of Holy Quran-I	0+1	HQ-102	Understanding of Holy Quran-II	0+1
Total Credits		18	Total Credits		17

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
MS-201	Entrepreneurship	2+0	FST-205	Instrumental Techniques in Food Analysis	2+1
FST-201	Unit Operation in Food Processing	2+1	ID-201	Food Process Engineering	2+1
FST-202	Food Additives	2+0	FST-206	Fluid Mechanics	2+1
FST-203	Basic Agriculture	2+1	FST-207	Food Chemistry	2+1
FST-204	Physiology & Biochemistry of Nutrients	3+0	ENG-201	Expository Writing	3+0
SS-201	Sociology	2+0	HU-201	Civics and Community Engagement	2+0
HU-114	Pakistan Study	2+0	Total Credits		17
Total Credits		17	Total Credits		17

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
FST-301	Cereal & Baking Technology	2+1	FST-306	Occupational Safety, Health & Environment	2+0
FST-302	Sugar, Confectionary & Beverage Technology	2+1	FST-308	Research Project and Scientific Writing	1+1
FST-303	Fruit and Vegetable Processing	2+1	FST-309	Principles of Human Nutrition	3+0
FST-304	Food Microbiology	2+1	FST-	Elective-I	3/2+1
FST-305	Food Laws and Regulations	3+0	ID-302	Public Health Nutrition	3+0
ID-301	Nutritional Education and Awareness	3+0	ID-303	Dietetics	3+0
Total Credits		18	Total Credits		16

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
FST-401	Meat & Dairy Technology	2+1	FST-403	Food Plant Layout	3+0
FST-402	Field Experience/Internship	0+3	FST-404	Food Safety & Toxicology	3+0
FST-	Elective-II	3+0	FST-405	Capstone Project	0+3
HND-401	Meal Planning and Management	2+0	FST-	Elective-III	3/2+1
HND-402	Human Anatomy	2+1	HND-404	Human Physiology	2+1
HND-403	Assessment of Nutritional Status	2+1	HND-405	Nutrition Through Life Cycle	2+0
Total Credits		17	Total Credits		17

ELECTIVE COURSES					
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
Elective-I					
FST-310	Food Quality Management	3+0	FST-410	Food Packaging	3+0
FST-311	Food Biotechnology	3+0	FST-411	Food Product Development	3+0
FST-312	Sea Food Processing	2+1	FST-412	Food Supply Chain Management	3+0
Elective-III					
FST-413	Sensory Evaluation of Foods	2+1			
FST-414	Poultry and Egg Processing	3+0			
FST-415	Process Control in Food Industry	3+0			

DEPARTMENT OF BIOMEDICAL ENGINEERING TECHNOLOGY



MEET OUR FACULTY

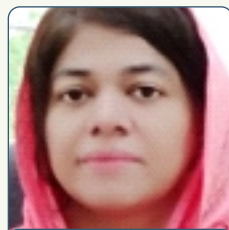


Dr. Abdul Mannan

Head, Department of Biomedical Engineering Technology

Our Mission

To provide fundamental and specialized knowledge in medical devices, clinical instrumentation, and healthcare systems, with an aim to develop skills in critical thinking, communication, teamwork, research, and leadership



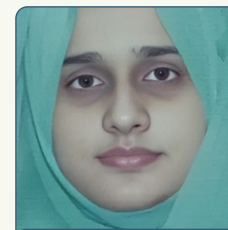
Dr. Sumbal Ayyaz

Lecturer



M. Waqas Khalid

Lecturer



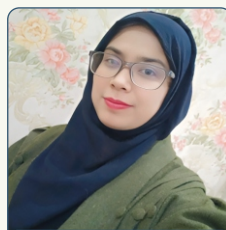
Engr. Faiza Rao

Lecturer



Ms Rabbiya Shamim

Lecturer



Engr. Rabbia Siddique

Lecturer



Engr. Linta Khalil

Lecturer

PROGRAMS

We Offer



BS

Biomedical Engineering
Technology

BS.Program Educational Objectives (PEOs)

1. Apply biomedical engineering knowledge to identify and address technical and societal problems.
2. Be able to take initiative and/or develop innovative ideas for technological and professional growth keeping in view their societal and environmental impacts.
3. Learn continuously and work effectively as a team lead in a multi-disciplinary environment while demonstrating interpersonal and managerial skills with ethical responsibilities.

DEPARTMENTAL OVERVIEW

Biomedical Engineering Technology is among the fastest-growing sectors in global health innovation. Ranked among the top "most valuable majors" worldwide, the U.S. leads with a \$140–180 billion annual industry over one-third of the global market. It applies fundamental engineering principles to develop innovative methods for diagnosing and treating diseases, managing injuries, and advancing medical devices and technologies. As a truly interdisciplinary field, it blends diverse scientific knowledge with technological processes and hands-on engineering skills. This unique combination enables biomedical engineers to design, build, and maintain practical systems ranging from diagnostic equipment to therapeutic devices that directly improve patient care and quality of life worldwide.

Teaching Excellence

Qualified and experienced faculty with relevant academic and industry backgrounds.

State-of-the-Art Laboratories

The department features dedicated, specialized laboratories covering the full spectrum of Biomedical Engineering Technology, including Human Physiology & Anatomy, Biomechanics, Bioinstrumentation, Biochemistry, and Biomaterials.

High Demand, Low Supply

A growing field with a critical shortage of biomedical engineering technologists in the industry. The current employment rate is near 100%.

Technical Exposure

Seminars by industry professionals on modern biomedical technologies.

Funded Higher Education Pathways

Fully and partially funded higher education opportunities available both within the country and abroad.

AI-Driven Research

Research opportunities in biomedical engineering, with special emphasis on artificial intelligence for automated/assisted disease diagnosis.

Nationally & Globally Recognized Degree

The program is aligned with international standards and accredited with National Technology Council (NTC)



The defining strength of the program is its mandatory one-year field training. While others learn theory, our students spend a full year (7th & 8th semesters) inside hospitals and medical device companies, working alongside engineers and clinicians. This immersive model directly addresses the industry's critical shortage of skilled technologists. Graduates don't just hold a degree, they carry a logbook of real experience, from calibrating life-support systems to managing high-tech diagnostic labs. This is why we achieve near 100% employment. We don't just produce graduates; we produce industry-ready professionals who are trusted with human lives from day one.



BACHELOR IN BIO-MEDICAL ENGINEERING TECHNOLOGY

CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HU-101	Islamic Studies	2+0	HU-102	Ideology & Constitution of Pakistan	2+0
ENG-101	Functional English	3+0	NS-102	Applied Physics	2+1
QR-101	Quantitative Reasoning-I	3+0	QR-102	Quantitative Reasoning-II	3+0
CS-101	Applications of ICT	2+1	BIT-121	Electrical Circuit Analysis	2+1
HU-107	Professional Practices	2+0	BIT-122	Human Anatomy & Physiology	3+1
NS-104	Essentials of Biology	2+1	BIC-121	Computer Programming	2+1
BIT-111	Workshop Practice	0+1	HQ-102	Understanding of Holy Quran	0+1
HQ-101	Understanding of Holy Quran	0+1			
Total Credits		18	Total Credits		19

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
ENG-201	Expository Writing	3+0	MS-201	Entrepreneurship	2+0
SS-202	Economics	2+0	HU-201	Civics & Community Engagement	2+0
BIN-211	Biochemistry	2+1	BIT-221	Signals & Systems	2+1
BIN-212	Applied Mathematics	3+0	BIT-212	Digital Logic Design	2+1
BIT-112	Technical Drawing	0+1	BIT-224	Biomechanics	2+1
BIT-222	Electronic Devices & Circuits	2+1	BIT-225	Molecular Biology	2+1
HU-201	Pak Studies	2+0			
Total Credits		17	Total Credits		16

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
BIT-311	Biomaterials	2+1	BIT-321	Biomedical Imaging Devices	2+1
BIT-312	Biomedical Instrumentation	2+1	BIN-321	Probability & Statistics	2+0
BIT-314	Embedded Systems	2+1	BIT-322	Clinical Lab. Equipment	2+1
BIT-313	Biomedical Control Systems	2+1	BII-321	Electromechanical Systems	2+1
BIE-311	Technical Report Writing	2+0	BII-322	Industrial Biotechnology	2+1
BIT-315	Project-I	0+3	BIT-323	Project-II	0+3
Total Credits		17	Total Credits		17

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
BIT-421-a	Supervised Industrial Training	0+16	BIT-421-b	Supervised Industrial Training	0+16
Total Credits		16	Total Credits		16

DEPARTMENT OF ARCHITECTURE DESIGN

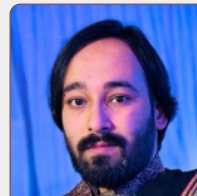
MEET OUR FACULTY



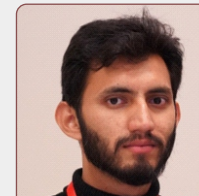
Ar. Syeda Mahwish Zahra
Head, Department of Architecture Design



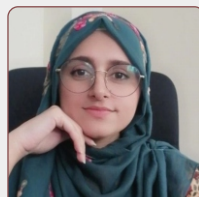
Ar. Mohsin Iqbal Deo
Assistant Professor



Ar. H. Muhammad Ahmed
Assistant Professor



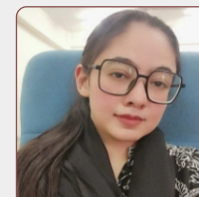
Ar. M. Israr Ali Mirza
Lecturer



Ar. Alishba Saleem
Lecturer



Ar. Sidra
Lecturer



Ar. Amna Ahmed Malik
Lecturer

Our Mission

To provide high value architectural education with the help of highly qualified faculty and state-of-the-art infrastructure for development of Pakistan specifically South Punjab

PROGRAMS

We Offer

B.Architecture

Program Educational Objectives (PEOs)

PEO-1: Graduates demonstrate their ability to apply architectural knowledge (history, theories of architecture / related art, culture, environment, social science, urbanism, and technology) in preparing design proposals and solving complex architectural design problems.
PEO-2: Graduates exhibit an adequate knowledge of building construction, building systems (structure, mechanical, electrical), and services in architectural planning.
PEO-3: Graduates demonstrate an adequate level of effective communication through interpersonal skills, leadership, teamwork, self-management, digital and design tools.
PEO-4: Graduates demonstrate the ability to investigate, think critically, and analyze problems of diverse and complex nature.
PEO-5: Graduates participate actively in activities and processes related to professional practice, development, and lifelong learning.

DEPARTMENTAL OVERVIEW

Architecture department is committed to academic excellence that is evident in the success of our graduates who are working in prestigious organizations across Pakistan and abroad. The department has also received international recognition through various student and faculty participation in conferences and design awards.

- **Following issues are at the core of our academic curriculum**

- Challenges to Cultural Heritage
- Climate Sensitivity and Appropriateness
- Appropriation and Speculation Issues
- Transition from Rural to Urban/ Suburban Areas
- Transformation/Depletion of Agricultural land
- Blue Green Infrastructure
- Housing, Sanitation and Health
- Environmental Degradation
- Response to Hazards
- Resilient Communities

- **Facilities**

- Graphics Lab
- Material Library
- Wood and Model-making Workshop
- Design Studios
- Multimedia and Smart Lecture Rooms
- High Speed Internet Connectivity



Career Prospects

Our graduates are working across the globe particularly in Canada, UK and Middle East. Government jobs such as C&W, Local Government and military engineering core, etc. Private sector high paying jobs with DHA, Aga Khan Development Network and Banking Sector 100% employability in Pakistan with well reputed firms Online career opportunities Self - Employment opportunities within city in construction industry Specialized jobs in Healthcare Design, Hospitality Design, Interior Design, Landscape Design



MEET THE
#AYDA AWARDS 2025
GOLD
WINNER



MAHA GHURI

NFC-IET, MULTAN

CONVERGE: CRAFTING CULTURAL LEGACIES
CATEGORY NATIONWIDE WINNER

lap AYDA AWARDS 2025



BACHELOR IN ARCHITECTURE DESIGN CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
Arch-101	Foundation Studio I	1+5	Arch-102	Foundation Studio II	1+5
Arch-111	History of Architecture I	2+0	Arch-112	History of Architecture II	2+0
Arch-151	Visual Communication I	0+2	Arch-152	Visual Communication II	0+2
HU-101	Islamic Studies / Ethics	2+0	HU-102	Ideology & Constitution of Pakistan	2+0
ENG-101	Functional English	3+0	CS-101	Applications of Information & Communication Technologies (ICT)	2+1
HU-114	Pakistan Studies	2+0	QR-102	Quantitative Reasoning II	3+0
QR-101	Quantitative Reasoning I	3+0	HQ-102	Understanding of Quran-II	0+1
HQ-101	Understanding of Quran-I	0+1			
Total Credits:		21	Total Credits		19

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
Arch-301	Architectural Studio V	1+7	Arch-302	Architectural Studio VI	1+7
Arch-311	Theory of Architecture -I	2+0	Arch-312	Theory of Architecture II	2+0
Arch-331	Materials & Construction III	1+1	Arch-313	Architecture in Pakistan	2+0
Arch-341	Building Services And Systems I	1+1	Arch-342	Building Services And Systems II	1+1
Arch-351	Digital Tools for Architects I	1+1	Arch-352	Digital Tools for Architects II	1+1
Arch-314	Sustainable Design	2+0	Arch-315	Architectural Photography	1+1
Total Credits:		18	Total Credits		18

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
Arch-201	Architectural Studio III	1+7	Arch-202	Architectural Studio IV	1+7
Arch-231	Materials & Construction I	1+1	Arch-232	Materials & Construction II	1+1
Arch-241	Structures for Architects I	2+0	Arch-242	Structures for Architects II	2+0
Arch-211	History of Architecture III	2+0	Arch-212	History of Architecture IV	2+0
SS-205	Anthropology	2+0	MS-201	Entrepreneurship	2+0
ENG-201	Expository Writing	3+0	NS-105	Ecology	2+1
Total Credits:		19	Total Credits		19

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
Arch-401	Architectural Studio VII	1+7	Arch-402	Architectural Studio VIII (Focus Studio)	2+8
Arch-411	Urban Design	2+0	Arch-412	Architectural Research Methods	2+0
Arch-431	Surveying and GIS for Architects	2+1	Arch-432	Specifications and Quantity Surveying	2+0
Arch-403	Project Management and BIM	2+1	Arch-413	Environmental Impact Assessment	2+0
Arch-404	Landscape Design	1+1	Arch-414	Building Conservation and Retrofitting	2+1
Total Credits:		18	Total Credits		19

SEMESTER-9			SEMESTER-10		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
Arch-501	Thesis Design I	2+6	Arch-502	Thesis Design II	0+8
Arch-503	Internship	3+0	Arch-530	Building Laws and Professional Practice	2+0
HU-201	Civics & Community Engagement	2+0	Arch-512	Advanced Architectural Presentation Techniques II	0+2
Arch-511	Advanced Architectural Presentation Techniques I	0+2			
Total Credits:		15	Total Credits		12

* 6 weeks Internship is compulsory in Summer Break after 4th year as a prerequisite to promotion to Final Year

DEPARTMENT OF BUSINESS ADMINISTRATION

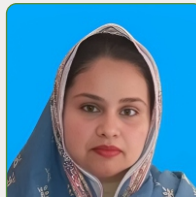
MEET OUR FACULTY



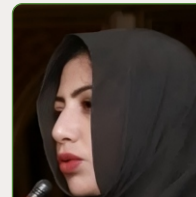
Dr. Sana-ur-Rehman
Head, Department of Business Administration



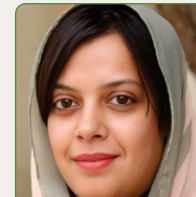
Dr. Shoaib Asim
Assistant Professor



Dr. Madeeha Rauf
Assistant Professor



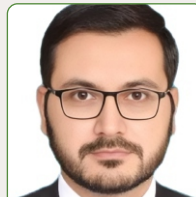
Dr. Shahzadi Sattar
Lecturer



Ms. Sahar Hayat
Lecturer



Ms. Raisham Hayee
Lecturer



Mr. Haroon A. Chughtai
Faculty Member



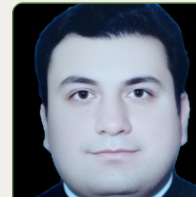
Mr. Hammad Raza Sahoo
Lecturer



Mr. Mohsin Jamal
Faculty Member



Ms. Shajia Zaman
Lecturer



Mr. Omer Farooq Khan
Faculty Member

PROGRAMS

We Offer



BBA



BS

Accounting & Finance



MBA



MS

Management Sciences

BBA Program Educational Objectives (PEOs)

PEO 1- Professional Competence and Career Development

PEO 2 - Analytical and Strategic Leadership

PEO 3 - Ethical, Legal, and Social Responsibility

PEO 4- Entrepreneurial and Global Orientation

Mission Statement

To advance society by fostering a dynamic learning environment that nurtures innovation, entrepreneurship, and experiential learning. The department is committed to achieving this through academic excellence, cutting-edge research, and a modern, rigorous curriculum tailored for future business leaders.

DEPARTMENTAL OVERVIEW

Department of Business Administration at NFC-IET imparts broad knowledge of management and business in order to develop decision making capabilities among future managers and executives by offering degree programs such as BBA, BS Accounting & Finance, MBA and MS Management Sciences.

Core focuses of our programs are to develop critical thinking among students enabling them to gain strategic orientation to ensure organizational success and competitiveness. Students learn at NFC-IET essential management skills and conceptual framework necessary to apply them successfully in the field of Management and associated areas such as Marketing, Human Resource Management, and Finance.

Key Features

Curriculum relevance according to market requirements.

Outcome-based education and quality assurance practices.

Highly qualified and dedicated faculty.

Friendly teaching learning environment.



BACHELOR OF BUSINESS ADMINISTRATION CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
QR-101	Quantitative Reasoning-I	3	HU-103	Critical Thinking & Logic	2
ENG-101	Functional English	3	QR-102	Quantitative Reasoning-II	3
CS-101	Applications of Information and Communication Technologies (ICT)	2+1	HU-114	Pakistan Studies	2
HU-102	Ideology and Constitution of Pakistan	2	ENG-201	Expository Writing	3
HQ-101	Fehm-e-Quran-I	0+1	HQ-102	Fehm-e-Quran-II	0+1
ECO-201	Economics	3	BBA-102	Principles of Marketing	3
BBA-101	Principles of Management	3	BBA-103	Financial Accounting-I	3
Total Credits		18	Total Credits		17

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HU-101	Islamic Studies/Ethics	2	SS-209	Introduction to Sociology	2
HU-201	Civics and Community Engagement	2	NS-201	Environmental Management System	2+1
SS-204	Introduction to Psychology	2	MS-201	Entrepreneurship	3
BBA-201	Business Finance	3	BBA-204	Marketing Management	3
BBA-202	Human Resource Management	3	BBA-205	Financial Management	3
BBA-203	Financial Accounting-II	3	ECO-203	Issues in Pakistan Economy	3
Total Credits		15	Total Credits		17

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
BBA-301	Cost and Management Accounting	3	BBA-307	Production and Operation Management	3
BBA-302	Business and Labor Laws	3	BBA-308	E-Commerce and Digital Marketing	3
BBA-303	Organizational Behavior	3	BBA-309	Introduction to Business Analytics	3
BBA-304	Business Ethics	3	BBA-310	Management Information Systems	3
BBA-305	AI in Business	3		Elective-I	3
BBA-306	Statistical Inference	3		Elective-II	3
Total Credits		18	Total Credits		18

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
BBA-401	Business Research Methods	3	BBA-404	Business Policy and Strategy	3
BBA-402	Total Quality Management	3	BBA-405	Project Management	3
BBA-403	International Business Management	3	BBA-406	Capstone Project	3
	Elective-III	3		Elective-V	3
	Elective-IV	3		Elective-VI	3
Total Credits		15	Total Credits		15

SUMMER SEMESTER		
Code	Course Title	Credit Hrs.
BBA-311	Internship	3+0
Total Credits		03

BS ACCOUNTING & FINANCE CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
QR-101	Quantitative Reasoning-I	3	QR-102	Quantitative Reasoning-II	3
ENG-101	Functional English	3	ENG201	Expository Writing	3
CS-101	Applications of Information and	2+1	HU-114	Pakistan Studies	2
HU-102	Communication Technologies (ICT)		HQ-002	Fehm-e-Quran-II	0+1
	Ideology and Constitution of Pakistan	2	BAF-102	Principles of Marketing	3
HQ-101	Fehm-e-Quran-I	0+1	BAF-103	Financial Accounting-I	3
BAF-101	Principles of Management	3	HU-103	Critical Thinking & Logic	2
ECO-201	Economics	3			
Total Credits		18	Total Credits		17

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HU-101	Islamic Studies/Ethics	2	SS-209	Introduction to Sociology	2
HU-201	Civics and Community Engagement	2	NS-201	Environmental Management System	2+1
SS-204	Introduction to Psychology	2	MS-201	Entrepreneurship	3
BAF-201	Business Finance	3	BAF-204	Marketing Management	3
BAF-202	Human Resource Management	3	BAF-205	Financial Management	3
BAF-203	Financial Accounting-II	3	ECO-203	Issues in Pakistan Economy	3
Total Credits		15	Total Credits		17

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
BAF-301	Cost and Management Accounting	3	BAF-307	Business Taxation	3
BAF-302	Financial Markets and Institutions	3	BAF-308	Fin Tech	3
BAF-303	Organizational Behavior	3	BAF-309	Risk Management & Insurance	3
BAF-304	Analysis of Financial Statements	3	BAF-310	Management Information System	3
BAF-305	AI in Business	3	BAF-	Elective-I	3
BAF-306	Statistical Inference	3	BAF-	Elective-II	3
Total Credits		18	Total Credits		18

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
BAF-401	Business Research Method	3	BAF-406	Strategic Management	3
BAF-402	Principles of Auditing	3	BAF-407	Project Management	3
BAF-403	Corporate and Legal Affairs	3	BAF-408	Capstone Project	3
BAF-	Elective-III	3	BAF-	Elective-V	3
BAF-	Elective-IV	3	BAF-	Elective-VI	3
Total Credits		15	Total Credits		15

SUMMER SEMESTER		
Code	Course Title	Credit Hrs.
BAF-311	Internship	3+0
Total Credits		03

DEPARTMENT OF FASHION DESIGN



MEET OUR FACULTY



Ms. Nazish Huma Khan
Head, Department of Fashion Design



Ms. Saeeda Batool
Lecturer



Ms. Kiran Ijaz
Lecturer



Ms. Hamna Azam
Lecturer

Our Mission

Nurturing individuals to transform potential into excellence, creativity and commercial savvy for success in the fashion industry.

PROGRAMS

We Offer



BS
Fashion Design

BS.Program Educational Objectives (PEOs)

PEO-1: Graduates will demonstrate & create excellence by developing original & innovative Fashion Designs that reflect their unique aesthetic visions while staying at the level of current fashion trends & industry standards.
PEO-2: Graduates will acquire technical proficiency in Garment construction, Pattern making, Draping, Textile selection, and other essential skills required for translating design concepts into tangible: Fashion pieces of exceptional quality.
PEO-3: Graduates will possess a comprehensive understanding of the Fashion Industry, its dynamics, and market demands. They will be prepared to contribute effectively to the Fashion Industry, whether through employment in Fashion Houses, starting their own Fashion ventures, or preparing for further Education.
PEO-4: Graduates will be knowledgeable about sustainability in fashion, including eco-friendly materials, ethical production methods, and the social and environmental impacts of the fashion industry.
PEO-5: Graduates will have a solid understanding of the business side of the fashion industry, including marketing, branding, merchandising, and retail strategies.

DEPARTMENTAL OVERVIEW

The Fashion Design Department is a center of creativity, innovation and excellence, dedicated to nurturing future fashion professionals. It combines artistic vision with technical expertise, empowering students to transform ideas into impactful designs. Through industry oriented learning, hands-on practice, and modern design techniques, the department develops skilled designers who are prepared to shape the future of the global fashion industry with confidence, originality, and professionalism.

Computer Graphics Lab

Equipped with computers and design software for creating and editing digital graphics.

Sewing Lab

Used for garment stitching, construction, and practical sewing training.

Draping Lab

Provides hands-on experience in fabric draping and pattern development on mannequins.

Textile Studio

Dedicated space for fabric analysis, textile design, and material experimentation.

Lecture Room

A classroom facility used for theoretical lectures, discussions, and presentations.

Research clusters

Promotes collaborative research and innovation through multidisciplinary teams working on emerging technologies and industrial challenges.



The Fashion Design Department provides a modern and well-equipped learning environment that promotes creativity, innovation, and technical excellence. With design studios, sewing laboratories, pattern-making and draping workstations, CAD facilities, and access to textiles and fashion illustration resources, students gain practical skills through hands-on learning. Guided by experienced faculty and industry-focused training, the department prepares students for successful careers in the dynamic fashion industry.



BACHELOR IN FASHION DESIGN CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HQ-101	Understanding of Quran -I	0+1	HQ-102	Understanding of Quran-II	0+1
ENG-101	Functional English	3+0	HU-101	Islamic Studies	2+0
HU-102	Ideology & Constitution of Pakistan	2+0	FA-153	Basic Drawing-II	0+2
FA-103	Basic Drawing-I	0+2	CS-154	Digital Communication	0+2
CS-101	Applications of Information & Com. Tech.	2+1	DES-155	History of Art & Design	2+0
HU-103	History of Culture & Civilization-I	2+0	NS-105	Ecology	2+1
FA-106	Sculpture	0+2	DES-157	Fundamental of Design-II	0+2
DES-107	Fundamental of Design-I	1+1	QR-102	Quantitative Reasoning-II	3+0
QR-101	Quantitative Reasoning-I	3+0			
Total Credits		20	Total Credits		17

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
FD-202	Flat Pattern-I	0+1	FD-252	Mathematics of Pattern-I	1+1
FD-203	Developments in Fashion Costume-I	0+2	FD-253	Digital Fashion-II	0+1
SEW-204	Sewing-I (Machine Sewing & Hand Sewing)	0+3	SEW-254	Sewing-II (Machine Sewing & Hand Sewing)	0+2
FD-205	Digital Fashion-I	0+1	MS-201	Entrepreneurship	2+0
FD-206	History of Costume-I	1+0	FD-256	History of Costume-II	1+0
DRP-207	Draping-I	0+2	DRP-257	Draping-II	0+2
FD-209	Human Anatomy & Portrait Drawing	0+2	FD-258	Developments in Fashion Costume-II	0+2
TD-208	Textile Basics & Fibers	2+0	TD-259	Textile Design-I	1+2
SS-201	Sociology	2+0	HU-201	Civics & Community Engagement	2+0
ENG-201	Expository Writing	3+0			
Total Credits		19	Total Credits		17

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
FD-301	Mathematics of Pattern-III	1+2	FD-351	Mathematics of Pattern-IV	1+2
FD-302	Fashion Design Studio-I	1+1	FD-352	Fashion Design Studio-II	1+1
SEW-303	Sewing-III	0+2	SEW-353	Sewing-IV	0+3
TD-304	Digital Fashion-III	0+1	FD-354	Digital Fashion-IV	0+1
FD-305	History of Costume & Fashion-III	1+0	FD-355	History of Costume and Fashion-IV	1+0
DRP-306	Draping-III	0+2	DRP-356	Draping-IV	0+2
TD-307	Textile Design-II	1+2	TD-357	Textile Design-III	1+2
HU-308	Fashion Marketing & Merchandising	2+0	HU-358	Costing & Planning	1+0
HU-114	Pak Study	2+0			
Total Credits		18	Total Credits		16

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
FD-402	Mathematics of Pattern-V	0+2	ENG-451	English (Dissertation)	2+0
FD-403	Fashion Design Studio-III	0+2		Collection/Final Project Product	0+10
SEW-404	Sewing-V	0+2	FD-452	Collection: Pattern	0+2
DRP-405	Draping-V	0+2	FD-453	Collection: Fashion Design Studio-IV	0+2
TD-406	Textile Design-IV	0+2	SEW-454	Collection: Sewing-VI	0+2
INT-407	Internship	0+3	DRP-455	Collection: Draping-VI	0+2
FD-408	Photography	1+2	TD-456	Collection: Textile Design-V	0+2
FD-401	Research Methods	1+0			
Total Credits		17	Total Credits		12

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science

Justice Alvin Robert Cornelius
Block

MEET OUR FACULTY



Dr. Naeem Aslam

Head, Department of Computer Science

Our Mission

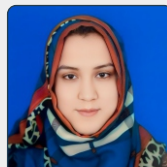
To produce competent computing professionals equipped with problem-solving skills, ethical values, and a drive for lifelong Learning.



Muhammad Naman Ch.
Assistant Professor



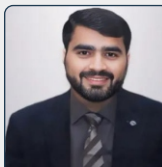
Ms. Ujala Saleem
Lecturer



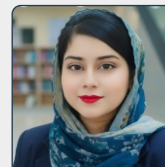
Ms. Hira Saleem
Lecturer



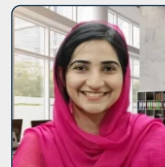
Muhammad Akhter
Lecturer



Nasir Umar
Lecturer



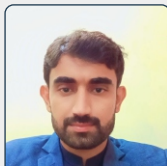
Ms. Shaista Malik
Lecturer



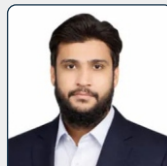
Ms. Amna Zulfiqar
Lecturer



Ms. Sarosh Fatima
Lecturer



M. Sajid Maqbool
Lecturer



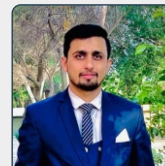
Haider Riaz
Lecturer



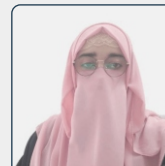
Muhammad Anis
Lecturer



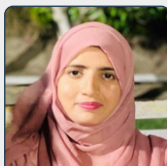
M Luqman Mustafa
Lecturer



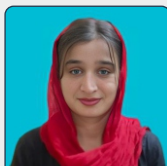
Mohsin Ali Tariq
Lecturer



Ms. Iqra Arshad
Lecturer



Ms. Saima Ali Batool
Lecturer



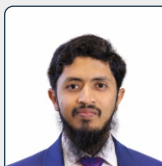
Ms. Hafsa Tahir
Lecturer



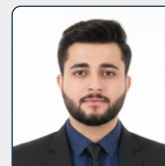
Muhammad Kamran
Lecturer



Muhammad Irfan
Lecturer



Syed Umair Asghar
Lecturer



M Hassan Raza
Lecturer



Ms. Muqadas Fatima
Lecturer

PROGRAMS

We Offer



BS

Computer Science



BS

Software Engineering



MS

Computer Science



E-Rozgaar

NAVTTC (Training Program)

BS.Program Educational Objectives (PEOs)

PEO-1
Professional Competence and Problem-Solving

PEO-2
Ethical Leadership and Societal Impact

PEO-3
Lifelong Learning and Communication

DEPARTMENTAL OVERVIEW

The design of the Department of Computer Science in NFC-IET has been developed to provide both technologically advanced learning environments and comfortable interactive spaces. The goal of this project has been to promote collaborative interaction between students and faculty with public discussion of current computing science issues.

Academic & Research Activities

Final Year Project (FYP) Exhibitions and Capstone Showcases Research Seminars & Colloquiums.

Industry Engagement & Career Placement

Annual On-Campus Tech Job Fairs and Corporate Recruitment Drives Industrial Tours to Software Houses and National Data Centers

Competitions & Tech EVENTS

Programming Competitions Web and Mobile Application Development Contests

Innovation & Entrepreneurship

Tech Startup Incubation Programs and Seed Funding Pitch Contests Digital Entrepreneurship and Freelance Profile-Building Bootcamps

Specialized Lab & Practical Activities

Network Security Simulation and Penetration Testing Drills Database Administration and Cloud Infrastructure Deployment Labs

Faculty Development & Academic Initiatives

Faculty Training Workshops on Outcome-Based Education (OBE) and Modern Pedagogy Industry-Academia Faculty Fellowship and External Training Programs



Welcome to the Department of Computer Science. In an increasingly digital and interconnected world, computer science drives innovation across every industry. Our department is dedicated to equipping students with the theoretical knowledge, practical skills, and ethical foundation needed to thrive as technology leaders. We offer rigorous undergraduate and graduate programs designed in accordance with HEC recommendations. Our curriculum emphasizes core computational theory, software design, data structures, and emerging fields such as Artificial intelligence, Data Science, and Cyber security. Students are taught by expert faculty who bridge the gap between academic research and real-world application. Beyond classroom learning, the department focuses on experiential education.



BS COMPUTER SCIENCE CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HQ-101	Understanding of Quran-I	0+1	HQ-102	Understanding of Quran-II	0+1
CS-101	Application of ICT	2+1	CC-121	Object Oriented Programing	3+1
CC-111	Programming Fundamentals	3+1	CC-122	Digital Logic Design	3+1
NS-102	Applied Physics	2+1	QR-102	Quantitative Reasoning-II	3+0
QR-101	Quantitative Reasoning-I	3+0	HU-102	Ideology & Constitution of Pakistan	2+0
HU-101	Islamic Studies	2+0	HU-103	Professional Practices	2+0
ENG-101	Functional English	3+0	ES-121	Financial Accounting	3+0
MT-011	Basic Mathematics	0+0			
Total Credits		19	Total Credits		19
SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-211	Computer Organization & Assembly Language	2+1	CC-221	Operating Systems	3+1
CC-212	Data Structures	3+1	CC-222	Database Systems	3+1
CC-213	Information Security	2+1	CS-221	Theory of Automata	3+0
SS-201	Economics	2+0	MT-221	Linear Algebra	3+0
ENG-201	Expository Writing	3+0	MS-201	Entrepreneurship	2+0
MT-211	Multivariate Calculus	3+0	HM-201	Civics & Community Engagement	2+0
Total Credits		18	Total Credits		18
SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-311	Computer Networks	2+1	CC-321	Analysis of Algorithms	3+0
CC-312	Software Engineering	3+0	CS-321	Compiler Construction	2+1
CC-313	Artificial Intelligence	2+1	CS-322	Parallel & Distributed Computing	2+1
CS-311	Computer Architecture	2+1	CS-323	HCI & Computer Graphics	2+1
CE-311	Web Technologies	2+1	CE-321	Mobile Application Development-I	2+1
MT-311	Probability & Statistics	3+0	ENG-321	Technical & Business Writing	3+0
Total Credits		18	Total Credits		18
SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-411	Final Year Project-I	0+3	CC-421	Final Year Project-II	0+3
CS-411	Advanced Database Management Systems	2+1	CE-421	Software Testing & Quality Assurance	2+1
CE-411	Numerical Analysis	2+1	CE-422	Cyber Security	2+1
CE-412	Mobile Application Development-II	2+1	HU-114	Pak Studies	2+0
CE-413	Advanced Programming	2+1	CC-422	Professional Certification	3+0
CC-401	Field Experience/Internship	3+0			
Total Credits		18	Total Credits		14

BS SOFTWARE ENGINEERING CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HQ-101	Understanding of Quran	0+1	HQ-102	Understanding of Quran-II	0+1
CS-101	Applications of ICT	2+1	CC-121	Object Oriented Programming	3+1
CC-111	Programming Fundamentals	3+1	CC-122	Digital Logic Design	3+1
NS-102	Applied Physics	2+1	QR-102	Quantitative Reasoning-II	3+0
QR-101	Quantitative Reasoning-I	3+0	HU-101	Islamic Studies	2+0
HU-102	Ideology & Constitution of Pakistan	2+0	HU-103	Professional Practices	2+0
ENG-101	Functional English	3+0	ES-121	Financial Accounting	3+0
MT-011	Basic Mathematics	0+0			
Total Credits		19	Total Credits		19

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-311	Computer Networks	2+1	CC-321	Analysis of Algorithms	3+0
CC-313	Artificial Intelligence	2+1	SC-321	Software Construction & Development	2+1
SC-311	Software Requirement Engineering	2+1	SC-322	Parallel & Distributed Computing	2+1
SC-312	Software Design & Architecture	3+0	SE-321	Mobile Application Development	2+1
SE-311	Web Engineering	2+1	SE-322	Object Oriented Analysis & Design	2+1
MT-311	Probability & Statistics	3+0	ENG-321	Technical & Business Writing	3+0
Total Credits		18	Total Credits		18

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-211	Computer Organization & Assembly Language	2+1	CC-221	Operating Systems	3+1
CC-212	Data Structures	3+1	CC-222	Database Systems	3+1
CC-213	Information Security	2+1	CC-223	Software Engineering	3+0
SS-201	Economics	2+0	MT-221	Linear Algebra	3+0
ENG-201	Expository Writing	3+0	MS-201	Entrepreneurship	2+0
MT-211	Multivariate Calculus	3+0	HM-201	Civics & Community Engagement	2+0
Total Credits		18	Total Credits		18

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-411	Final Year Project-I	0+3	CC-421	Final Year Project-II	0+3
SC-411	Software Quality Engineering	2+1	SE-421	Software Verification & Validation	2+1
SC-412	Software Project Management	2+1	SE-422	Software Re-Engineering	2+1
SE-411	Advance Database Management	2+1	HU-114	Pak Studies	2+0
SE-413	HCI & Computer Graphics	2+1	CC-422	Professional Certification	3+0
CC-401	Field Experience/Internship	3+0			
Total Credits		18	Total Credits		14

DEPARTMENT OF ARTIFICIAL INTELLIGENCE

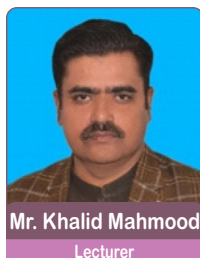
MEET OUR FACULTY



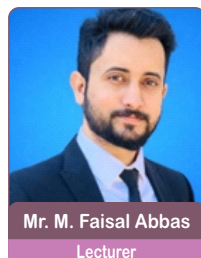
Dr. Muhammad Siddique
Head, Department of Artificial Intelligence

Our Mission

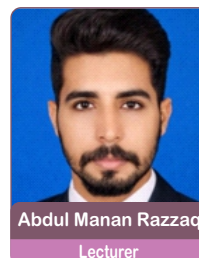
The mission of the BS AI program is to cultivate a new generation of AI professionals with exceptional critical thinking, intuition, and technical proficiency. Our program provides a comprehensive blend of theoretical knowledge and practical experiences. This combination empowers you to make sound professional decisions and assume responsible positions in various sectors like business, government, and education, at research, development, and planning levels.



Mr. Khalid Mahmood
Lecturer



Mr. M. Faisal Abbas
Lecturer



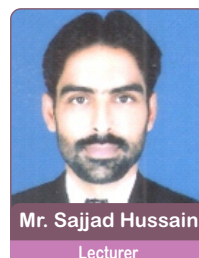
Abdul Manan Razzaq
Lecturer



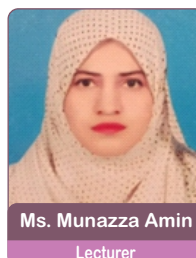
Mrs. Sadia Fiaz
Lecturer



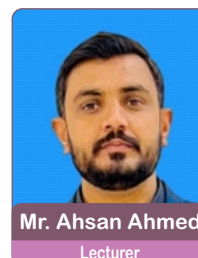
Tahir Mahmood Bukhari
Lecturer



Mr. Sajjad Hussain
Lecturer



Ms. Munazza Amin
Lecturer



Mr. Ahsan Ahmed
Lecturer



Mrs Aliza Gill
Lecturer

PROGRAMS

We Offer



BS
Artificial Intelligence

BS.Program Educational Objectives (PEOs)

- PEO 1.Knowledge of the fundamentals of Computing and Artificial Intelligence
- PEO 2.Ethical and Societal Responsibilities
- PEO 3.Communication Skills
- PEO 4.Leadership
- PEO 5.Continuous Improvement

DEPARTMENTAL OVERVIEW

The design of the Department of Artificial Intelligence in NFC-IET has been developed to provide both technologically advanced learning environments and comfortable interactive spaces. The goal of this project has been to promote collaborative interaction between students and faculty.

Well-Equipped Laboratories

High-Performance Desktop Computers
GPU Workstations (NVIDIA RTX Series)
AI Servers for Deep Learning
High-Speed Internet & Networking

Modern Classrooms

Air-conditioned classrooms with audio-visual facilities for effective learning.

Research & Development

Dedicated research spaces and support for innovative projects and publications.

Analytical Instruments

High-performance systems for training and testing AI models. Accelerate deep learning and large-scale AI computations.

Computer & Software Access

High-performance computers and specialized software for simulation, modeling and design

Expert Faculty

Highly qualified and experienced faculty committed to academic excellence.



Students of the department actively participate in social and extra curricular student activities promote leadership, teamwork, and social responsibility alongside their academic growth. They regularly organize and contribute to initiatives such as blood donation camps, fund raising drives for flood victims and affected communities, and awareness campaigns addressing social and environmental issues. Through these engagements, students develop empathy, organizational skills, and a strong sense of community service. Participation in healthy co-curricular and extracurricular activities not only enriches their experience but also prepares them to become responsible professionals and compassionate members of society.



BS ARTIFICIAL INTELLIGENCE CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HQ-101	Understanding of Quran-I	0+1	HQ-102	Understanding of Quran-II	0+1
CS-101	Application of ICT	2+1	CC-121	Object Oriented Programming	3+1
CC-111	Programming Fundamentals	3+1	CC-122	Digital Logic Design	3+1
QR-101	Quantitative Reasoning-I	3+0	QR-102	Quantitative Reasoning-II	3+0
HU-102	Ideology & Constitution of Pakistan	2+0	HU-101	Islamic Studies	2+0
ENG-101	Functional English	3+0	HU-103	Professional Practices	2+0
MT-011	Basic Mathematics*	0+3	ES-121	Financial Accounting	3+0
Total Credits		19	Total Credits		19

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-211	Computer Organization & Assembly Language	2+1	CC-221	Operating Systems	3+1
CC-212	Data Structures	3+1	CC-222	Database Systems	3+1
CC-213	Information Security	2+1	CC-223	Artificial Intelligence	3+1
SS-201	Economics	2+0	MT-221	Linear Algebra	3+0
ENG-201	Expository Writing	3+0	MS-201	Entrepreneurship	2+0
MT-211	Multivariate Calculus	3+0	HM-201	Civics & Community Engagement	2+0
HU-114	Pak Studies	2+0			
Total Credits		20	Total Credits		19

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
AI-311	Programming for AI	2+1	CC-321	Analysis of Algorithms	3+0
AI-312	Machine Learning	2+1	CC-322	Software Engineering	3+0
AI-313	Knowledge Representation & Reasoning	2+1	AI-321	Artificial Neural Networks & Deep Learning	2+1
AE-311	HCI & Computer Graphics	3+0	AE-321	Digital Image Process	2+1
CC-311	Computer Network	2+1	AE-322	Data Mining	2+1
MT-311	Probability & Statistics	3+0	ENG-321	Technical & Business Writing	2+1
Total Credits		18	Total Credits		18

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-411	Final Year Project-I	0+2	CC-421	Final Year Project-II	0+4
AI-411	Computer Vision	2+1	AI-421	Parallel & Distributed Computing	2+1
AE-411	Natural Language Processing	2+1	AE-421	Swarm Intelligence	2+1
AE-412	Reinforcement Learning	2+1	AE-422	Knowledge Based Systems	2+1
FE-401	Field Experience/Internship	3+0			
Total Credits		14	Total Credits		13

DEPARTMENT OF DATA SCIENCE

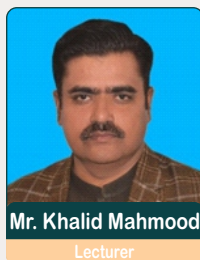
MEET OUR FACULTY



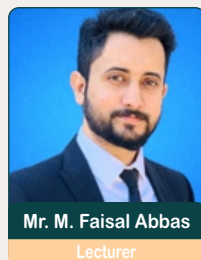
Dr. Muhammad Siddique
Head, Department of Data Science

Our Mission

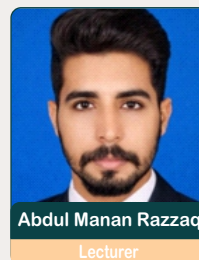
The mission of DDS is to equip students in Data Science and related field with the skills, knowledge, and ethical values needed to serve the community, contribute to the nation, and bring pride to the Institute and Pakistan.



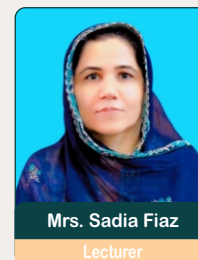
Mr. Khalid Mahmood
Lecturer



Mr. M. Faisal Abbas
Lecturer



Abdul Manan Razzaq
Lecturer



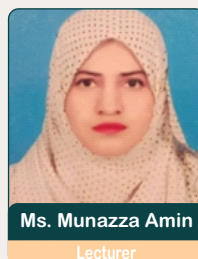
Mrs. Sadia Fiaz
Lecturer



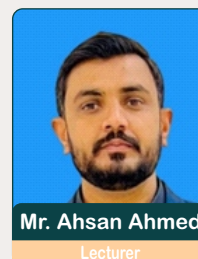
Tahir Mahmood Bukhari
Lecturer



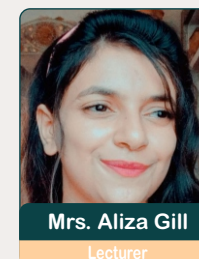
Mr. Sajjad Hussain
Lecturer



Ms. Munazza Amin
Lecturer



Mr. Ahsan Ahmed
Lecturer



Mrs. Aliza Gill
Lecturer

PROGRAMS

We Offer



BS Data Science

BS.Program Educational Objectives (PEOs)

PEO-1 Solve real-world problems by applying mathematical and computational approaches.

PEO-2 Understand, design, and develop computer-based solutions and data components to fulfill the customer needs.

PEO-3 Present, analyze, and identify patterns in large-sized datasets (numeric, text, image, video, audio)

PEO-4 Understand professional, ethical, and social responsibilities and effective Communication

PEO-5 Harness the benefits of lifelong useful traits like working in groups, leading and managing projects and building capacity to learn new tools and techniques as per need.

PEO-6 Make best use of essential entrepreneurial skills that result in producing next generation of industry leaders.

BS DATA SCIENCE CURRICULUM-2026

SEMESTER-1			SEMESTER-2		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
HQ-101	Understanding of Quran I	0+1	HQ-102	Understanding of Quran II	0+1
CS-101	Application of ICT	3(2+1)	CC-121	Object Oriented Programming	4(3+1)
CC-111	Programming Fundamentals	4(3+1)	CC-122	Digital Logic Design	4(3+1)
NS-102	Applied Physics	3(2+1)	QR-102	Quantitative Reasoning-II	3(3+0)
QR-101	Quantitative Reasoning-I	3(3+0)	HU-101	Islamic Studies	2(2+0)
Hu-102	Ideology & Constutuion of Pak.	2(2+0)	HU-103	Professional Practice	2(2+0)
ENG-101	Functional English	3(3+0)	ES-121	Financial Accounting	3(3+0)
MT-011	Basic Mathematics				
Total Credits		19	Total Credits		19

SEMESTER-3			SEMESTER-4		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-211	Comp. Organization & Ass. Lang	3(2+1)	CC-221	Operating Systems	4(3+1)
CC-212	Data Structures	4(3+1)	CC-222	Database Systems	4(3+1)
CC-213	Information Security	3(2+1)	CS-221	Domain Core-I	3(2+1)
ES-211	Introduction to Marketing	3(3+0)	MT-221	Linear Algebra	3(3+0)
ENG-201	Expository Writing	3(3+0)	MS-201	Entrepreneurship	2(2+0)
MT-211	Multi variate Calculus	3(3+0)	HM-201	Civics & Community Engagement	2(2+0)
			HU-114	Pak Studies	2(2+0)
Total Credits		19	Total Credits		20

SEMESTER-5			SEMESTER-6		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-311	Computer Networks	3(2+1)	CC-321	Analysis of Algorithms	3(3+0)
CC-312	Software Engineering	3(3+0)	CS-321	Domain Core III	3(2+1)
CC-313	Artificial Intelligence	3(2+1)	CS-322	Domain Core IV	3(2+1)
CS-311	Domain Core II	3(2+1)	CS-323	Domain Core V	3(2+1)
CE-311	Domain Elective I	3(2+1)	CE-321	Domain Elective -II	3(2+1)
MT-311	Probability & Statsitics	3(3+0)	ENG-321	Technical & Business Writing	3(3+0)
Total Credits		18	Total Credits		18

SEMESTER-7			SEMESTER-8		
Code	Course Title	Credit Hrs.	Code	Course Title	Credit Hrs.
CC-411	Final Year Project - I	3(0+3)	CC-421	Final Year Project - II	3(0+3)
CS-411	Domain Core-VI	3(2+1)	CE-421	Domain Elective -VI	3(2+1)
CE-411	Domain Elective -III	3(2+1)	CE-422	Domain Elective -VII	3(2+1)
CE-412	Domain Elective -IV	3(2+1)	SS-421	Introducton to Management	2(2+0)
CE-413	Domain Elective -V	3(2+1)	CC-422	Professional Certification	3(3+0)
CC-401	Field Experience/Internship*	3(3+0)			
Total Credits		18	Total Credits		14

The field experience of six to eight weeks (preferably undertaken during semester or summer break) must be mandatory

BS Data Science students are required to complete professional certification(s) (equivalent to 3 credit hours in total) over the period of four year program as a mandatory condition for degree completion

Dues & Fee Structure

Detail of Fees & Dues (for all categories)

(a) Fees & Dues to be deposited with Application Form:

Fee Type	All Engg. Programs & Architecture Design	BS Computer Science, BS Software Engg, BS Artificial Intelligence & BS Data Science	BBA, Bio_Medical Engg. Technology and BS Accounting & Finance	BS Food Science & Technology, and BS Fashion Design
Admission Fee *	Rs. 30,000	Rs. 30,000	Rs. 15,000	Rs. 15,000
Application Processing Fee*	Rs. 2,000	Rs. 2,000	Rs. 2,000	Rs. 2,000
Sub-Total-I	Rs. 32,000	Rs. 32,000	Rs. 17,000	Rs. 17,000
(b) After confirmation of Admission (after display of Merit List):				
Fee Type	All Engg. Programs & Architecture Design	BS Computer Science, BS Software Engg, BS Artificial Intelligence & BS Data Science	BBA, Bio_Medical Engg. Technology and BS Accounting & Finance	BS Food Science & Technology, and BS Fashion Design
Tuition Fee (for Three Months)	Rs. 51,000	Rs. 39,900	Rs. 29,100	Rs. 25,410
Caution Money (Refundable)	Rs. 6,000	Rs. 6,000	Rs. 6,000	Rs. 6,000
Registration Fees	Rs. 2,000	Rs. 2,000	Rs. 2,000	Rs. 2,000
Alumni Contribution	Rs. 1,000	Rs. 1,000	Rs. 1,000	Rs. 1,000
Student Functions	Rs. 6,000	Rs. 6,000	Rs. 6,000	Rs. 6,000
IET Welfare Trust Contribution	Rs. 2,000	Rs. 2,000	Rs. 2,000	Rs. 2,000
Annual Dues	Rs. 22,000	Rs. 22,000	Rs. 22,000	Rs. 22,000
Sub-Total-II	Rs. 90,000	Rs. 78,900	Rs. 68,100	Rs. 64,410
Grand Total (at the time of Admission)	Rs. 122,000	Rs. 110,900	Rs. 85,100	Rs. 81,410

***Civil Engineering (after confirmation of Admission) Re.100,000 and Total Rs. 132,000/ Annual Dues:**

For all programs except Civil Engineering Rs. 22,000/

For Civil Engineering Rs.32,000/-(22,000/- Annual Fund 10,000/-Survey Camp)

Tuition Fee:

For all Engineering & B. Architecture is Rs. 17,000/- per month.

For BS(CS), BS (AI), BS (SE) & BS Data Science is Rs. 13,300/-per month.

For BBA, BS Accounting & Finance and Bio-Medical Technology Program is Rs.9,700/-per month.

For BS Fashion Design, and Food Science & Tech. is Rs. 8,470/- per month

Increase in Fee:

The dues are subject to review from time to time as per decision of the Syndicate.

Tuition Fee will be increased @10% of its existing rate every year for all students

Examination Fee:

Paper Money per semester per student Rs.4,000/-

Hostel Charges:

Hostel Fee for one year allotment will be 35,000/- per student per year.

Electricity charges for Home Appliances are given below.

(a) Room-Coolers	(1 May – 30 Sep)	Rs.	"3,000/month/room"
(b) Refrigerator	(1 Jan – 30 Dec)	Rs.	"2,000/month/room"
(c) Dispenser	(1 Jan – 30 Dec)	Rs.	"3,00/month/room"
(d) Microwave Oven	(Jan 1 to Dec 31)	Rs.	"5,00/month/room"

Note:

Mess security and mess dues are in addition to above charges.

Maximum stay of a student in the hostel shall be as per the degree period from the date of his/her admission in IET.

Appearance in Examination:

Students with outstanding fees will not be permitted to attend classes or participate in Mid Term and End Term Examinations without formal clearance from the Accounts Department (Fee Section).

Category "K & S" Candidates

An additional amount in Lump sum as overseas/self-supporting fees:

Civil, Mechanical Engineering	Rs. 500,000/-
BS (CS), BS(AI), BS Software Engg BS Data Science, BS Computer Engg, Electrical,Chemical, Petroleum Engineering, B. Architecture,	Rs. 240,000/-
BBA, Bio-Medical Tech, and BS Accounting & Finance	Rs. 100,000/-
All other programs	Rs. 50,000/-

Note: (1) This Fee will be paid in 4 installments, 25% at the time of Admission, 25% each at 2nd, 3rd and 4th quarters respectively.

(ii) Students admitted in "K & S" category will also pay taxes as per Govt/FBR policies.

Dues payable along with Application Form*

All categories except "K & S":

All Engg., Arch, BS(CS), BS(SE), BS(AI) & BS(DS) programs	Rs. 32,000
All other Programs	Rs. 17,000

With "K & S" Categories

"K & S" Category for Civil and Mechanical Engineering	Rs. 157,000
"K & S" Category for Electrical, Chemical & Petroleum Engineering and B.Architecture	Rs. 57,000
"K & S" Category for BS (CS), BS(AI), BS(SE) & BS(DS), CE	Rs. 92,000
"K & S Category for Bio-Medical Tech., BBA & BS Acc.& Fin	Rs. 42,000
"K & S" Category all other programs	Rs 29,500
Candidates applying all programs (all categories)	Rs. 157,000
(Subject to revision any time without notice)	

Schedule of Fee Payment

Quarter	Last Date
1 st quarter	at the time of admission
2 nd quarter	before December 10, 2026
3 rd quarter	before March 10, 2027
4 th quarter	before June 10, 2027

Note: (i) Dues are to be paid between the 1st and the 10th of each quarter. A late fee will be charged for payments made after the due date, as follows:

1st to 10th day after due date	Rs.50/- per day
11th day to till end of 1st month, after due date	Rs.500/-
2nd month, after due date	Rs.750/-
3rd month, after due date	Rs.1,000/-

Migration Rules and Regulations

These migration rules are for the NFC Institute of Engineering & Technology, Multan, Pakistan.

SECTION A: ADMISSION REQUIREMENT

1. No student shall be admitted to First Year and Final Year classes by migration. In terms of semesters, migration is only permissible into the 3rd, 4th, or 5th semester.
2. A migrated student is required to complete at least 50% curriculum required for the award of the degree at NFC-IET in order to be eligible for NFC-IET's degree.
3. Admission by migration shall not be allowed ordinarily after the expiry of five weeks from the commencement of the session.
4. No student shall be admitted by migration from a University or Institution in Pakistan unless he produces a "No Objection Certificate" and "Good Moral Character Certificate" to the effect that the student has not been debarred from taking University examinations and suspended or not expelled or rusticated from the University or Institution from which he intends to migrate and that no disciplinary action is pending against him.
5. The applicant must have appeared in the Entry Test as applicable and acceptable by HEC, PEC, or by the concerned regulatory body of the program conducted for the session in which he intends to migrate. Or, he must have appeared in the Entry Test of the parent institution.
6. The applicant must have passed Intermediate or its equivalent (with 60% marks) as prescribed by the relevant regulatory body (PEC, HEC, PCATP, etc) or with marks required as per NFC-IET admission criteria. The candidate shall provide a certificate of Entry Test marks. In case Entry test result is not available NFC-IET may conduct its own test to fulfil this requirement.
7. An application for admission by migration shall be accompanied by a detailed marks certificate showing the examinations passed by the applicant at his parent university. The applicant is required to be in good standing with a minimum CGPA of 2.5 out of 4.0.
8. No student admitted to any University or Institution against seats reserved for special categories shall be eligible for admission by migration.
9. Only those students who possess an academic record comparable with the admission requirements of this Institute (for their particular Entry Session) shall be considered for admission by migration, subject to the availability of seats in the concerned department.
10. All students will be considered on the basis of availability of the seats in specific programs.
11. No student shall be admitted to the Institute who carries any of his papers from his previous years.
12. The grounds for migration shall constitute changes in circumstances which render it practically impossible for the student to continue his studies in his Parent University or Institution.
13. No applicant shall be admitted through migration from an institution located within the same city. However, in exceptional cases, such as discontinuation of an institute, campus, degree, program, or any other special circumstances, migration within the same city may be allowed subject to recommendation of relevant HoD.
14. Migration application will only be entertained on the prescribed application form, obtainable from the NFC-IET website "<https://www.nfciet.edu.pk>". Migration application fee of Rs. 1000/- will be paid at the time of submission of the application form.
15. Candidates allowed to migrate to the Institute from other universities/institutions shall be required to pay the semester fee applicable to the students of the session or class they are joining at NFC-IET, Multan. In addition, the admission fee, annual dues, and compulsory miscellaneous charges shall also be charged (in full or in part) as per Institute rules. In the case of admission on a self-finance seat, the fee for self-finance quota and subsequent semesters shall be charged accordingly.
16. A student desiring to leave the Institution shall apply to the Vice-Chancellor on the prescribed form after payment of the prescribed fee of Rs. 5000/- for ordinary case and Rs. 10000/- for urgent case (non-refundable) along with clearance form.
17. No migration certificate shall be issued unless the student has cleared all Institute dues.
18. In case of a student who has been debarred from taking the Institute examination or has been expelled or rusticated, a migration certificate shall be issued so long as the punishment is in force.
19. The Vice-Chancellor or his representative shall be competent to issue a migration certificate on the prescribed form.
20. A student who has obtained a Migration Certificate from the Institute but has not secured admission in another institution may be re-admitted to the Institute in the class to which he can be admitted under the regulation, provided that his absence from the current teaching session of that class does not exceed four weeks and further that he surrenders the Migration Certificate.
21. The following migration fees shall be applicable to candidates who are permitted to migrate to this Institute from other universities or institutes:
 - a) A student enrolled in an undergraduate program shall pay Rs. 30,000/- as migration fee in addition to all regular fees, which include admission, tuition, examination, and any other applicable charges.
 - b) A student enrolled in an undergraduate program shall pay Rs. 50,000/- as migration fee in addition to all regular fees, provided that the student was previously admitted on a self-finance basis at the parent university/institute.
 - c) In genuine and deserving cases, the migration fee may be waived, subject to the approval and recommendation of the Syndicate.
22. Any change/ addition/modification, if made, in the above regulations, will also be applicable.

SECTION B: TRANSFER OF CREDIT OF SUBJECTS FOR MIGRATED STUDENTS

1. Students from other HEC-approved universities and programs accredited by PEC or PCATP or relevant council may apply for migration to this Institute in the same programs, in accordance with the Institute's Migration Rules. The following conditions shall govern the transfer of subjects (credits) to the Institute for subjects studied elsewhere. Subjects that do not satisfy these conditions shall not be transferred nor given any credit.
2. The course must correspond to a course offered by NFC-IET or be deemed equivalent in depth and intensity.
3. Applicant must have received at least "40%" marks in case of an absolute grading system or a minimum of "C" grade or higher in a letter grading system similar to the one in this Institute.
4. In case of any other grading system, the department shall decide with the above minimum limits in perspective. In case both letter grades and marks are mentioned on the transcript, only the letter grade will be considered for transfer of semester credit. The cumulative credits accepted for transfer in any program should not exceed one-half (50%) of the total credits required to complete that particular program, in any case.
5. The credits transferred are counted towards the degree requirements of the student. However, GPA of transferred credits shall not be counted towards the calculation of CGPA, and that only "Transferred" shall be written against those subject(s) in which transfer of credits was allowed. In addition, migrated students shall not be eligible for a merit position or an Honors degree.
6. A migrating student may be deficient in subjects compared to the class that he has joined. Such a student shall repeat these subjects. In case he is studying a particular subject for the first time, it will not be classified as a repeated subject for him.
7. A 2–3-members departmental committee will be constituted by the HoD of concerned department to compare the courses for adjustment.

SECTION C: MIGRATION/TRANSFER OF CREDIT INTO POSTGRADUATE PROGRAMS

1. No migration is permitted into any of the postgraduate programs (Masters/MS/PhD).
2. Candidates are required to apply afresh, fulfilling all the requirements laid down by the NFC-IET in this regard, into the program they are aspiring to undertake. Admission shall be based on merit as per the admission policy.
3. Transfer of subjects may be allowed on the recommendation of the Head of Department (HoD) / Program Coordinator, subject to the following conditions:
 - a) That the subject has been studied at an HEC recognized institution and has not already been credited towards the award of another degree.
 - b) The subject must correspond to a course currently offered by the concerned department, or be deemed equivalent in depth, content, and intensity to a current subject.
 - c) For MS/MPhil level subjects: the student must have earned at least 60% marks in a term/annual system or a minimum of GPA 2.5 out of 4.0 (or equivalent) in a semester system in relevant subjects.
 - d) For PhD level subjects: the student must have earned at least 65% marks in a term/annual system or a minimum of GPA 3.0 out of 4.0 (or equivalent) in a semester system in relevant subjects.
 - e) The transfer of credit hours/subjects and the applicable limits shall be determined in accordance with the HEC Graduate Education Policy 2023 (GEP-2023), or any updated policy available at the time of admission, as well as the HEC Uniform Semester System Guidelines for minimum degree requirement. The final decision regarding the acceptance and transferability of courses shall rest with the committee consisting of HOD, Program Coordinator, a senior faculty member (relevant dept. Ph.D. faculty) and the Director Postgraduate Studies. The committee may also consider precedents and practices followed by other established HEIs while making such determinations.
 - f) The credit transfer of coursework from one university/DAI/HEI to another as well as to evaluate students' academic performance (both formative and summative) and award of grades, HEC's Policy Guidelines, issued from time to time, for implementation of the Uniform Semester Examination System in Higher Education Institutes of Pakistan shall be referred.
 - g) The transfer of research work is permissible when the host university formally accepts the research already completed at the parent university. In addition, the consent of the research supervisor at the parent university is required before the transfer is approved.
 - h) Transferred credits shall be counted towards the degree requirements of the student. However, the GPA/Grade Points of transferred credits shall not be counted towards the calculation of the student's CGPA. Only the word "Transferred" shall be recorded against such subjects on the transcript.
 - i) The transfer of subjects shall be subject to availability of seats in the concerned program and fulfilment of other institutional requirements.
 - j) An official No Objection Certificate (NOC) and transcript from the previous institution must be provided at the time of application.
 - k) Final approval of transfer of subjects shall rest with the Advanced Studies & Research Board (ASRB).
 - l) A PG student has to pay Rs. 30000/- as a credit transfer fee in addition to regular fees (including admission, tuition, examination and other charges).
 - m) Candidates who are allowed to transfer their credits to the Institute from other universities or institutions shall be required to pay the semester fee applicable to the students of the session or class they are joining at NFC-IET, Multan. In addition, the admission fee, annual dues, and compulsory miscellaneous charges shall also be payable, either in full or in part, in accordance with the Institute's rules. Where admission is granted on an employee or alumni seat or any other quota, the fee shall be charged as per the prescribed criteria or benefits applicable to that category.

SECTION D: IMPORTANT DOCUMENTS TO BE ATTACHED TO THE APPLICATION

1. Application for admission by migration should be addressed to the Admission Committee, NFC-IET, Multan, stating sound/genuine reasons along with valid documentary evidence.
2. Migration form duly filled and complete in all respects from all concerned.
3. Attested photocopy of Matric or equivalent Certificate.
4. Attested photocopy of Intermediate or equivalent Certificate
5. Attested Copies of Transcripts or equivalent Certificate.
6. Attested photocopy of Combined Entry Test Certificate/ECAT/GAT/Institute Test.
7. Attested photocopy of Domicile Certificate
8. Attested photocopy of the Computerized National Identity Card of the applicant
9. No Objection Certificate issued by the Parent Institution/University
10. Detailed Marks Certificates showing the last examinations passed at the Parent Institution/University
11. Course List/Syllabi / Courses of Reading of Parent Institution/University
12. Migration Form Fee Rs 1000/- will be paid to NFC-IET, Multan (Please attach copy no 1 of the paid Bank Challan/slip with the application as per official account)
13. Any additional document required as per HEC/PEC/Regulatory Body/Institute requirement.

SECTION E: REVIEW OF SPECIAL CASES

In case of any complexity, ambiguity, or exceptional circumstances related to migration, the matter shall be referred to the Migration Rules Committee for review and recommendation. The Committee shall examine the case in light of Institute rules/ practices adopted by other institutes, and forward its recommendations to the admission committee for final decision.

REFUND POLICY

Revised -
National Level Fee-Refund Policy at Higher
Education Institutions of Pakistan

%age of Fee*	Timeline** For Semester/ Trimester System
Full (100%) Fee Refund	Up to 7th day of commencement of classes
Half (50%) Fee Refund	From 8th-15th day of commencement of classes
No Fee (0%) Refund	From 16th day of commencement of classes

1. %age of Fee shall be applicable on all components of fee, except for security and admission charges.
- II. Timeline shall be calculated continuously, covering both weekdays and weekends.



ADMISSION ELIGIBILITY CRITERIA

Program	Qualification Required	Minimum % Marks	Entry Test
B.Sc. Engineering Programs	A-Level F.Sc. Pre-Engineering (Physics, Chemistry, Math), Pre-Medical, ICS or D.A.E. in relevant Discipline.	60% in F.Sc. or D.A.E.	ECAT/HEC/ETA/NED/BUTEM/IET Entry Test
B. Architecture Design	A-Level F.Sc. Pre-Engineering, Pre-Medical, ICS, General Science or DAE (Civil/Architecture) on Reserved Seats	60% aggregate (Inter + DAT)	IET Test Only
BS Computer Science, BS Software Engineering, BS Artificial intelligence, BS DS	A-Level F.Sc. Pre-Engineering, Pre-Medical, ICS, General Science or DAE in any discipline	50% in Intermediate or equivalent	ECAT/NAT/HEC/IET Entry Test
BS Bio-Medical Engineering Technology	A-Level F.Sc. Pre-Medical, Pre-Engg., ICS, General Science or DAE in Relevant field	50% in F.Sc. or D.A.E.	ECAT/NAT/HEC/IET Entry Test
BS Food Science & Technology	A-Level F.Sc. Pre-Engineering, Pre-Medical, or D.A.E. in Food Technology.	50% in F.Sc. or D.A.E.	ECAT/NAT/HEC/IET Entry Test
BS Fashion Design	A-Level F.Sc., ICS, F.A., or I.Com General Science	45% in Intermediate	ECAT/NAT/HEC/IET Entry Test
BBA, BS Accounting & Finance	A-Level F.Sc. Pre-Medical, Pre-Engg., ICS, General Science	50% in Intermediate	ECAT/NAT/HEC/IET Entry Test

Note:

- (i) In case any candidate did not attempt ECAT for engg., he shall be provided an opportunity to appear in NFC-IET Entry Test
- (ii) In case any candidate attempted both ECAT or NAT Test, the higher score shall be considered for merit determination for non-engineering programs
- (ii) Provisional Admission will be offered on First Year basis subject to providing undertaking that candidate completely qualifies the eligibility criteria for admission. The Admission Committee will reserve the right to cancel all such admissions that do not meet the prescribed eligibility criteria.
- (iv) Students from other than Punjab can provide Entry Test of main UETs of their provinces/region (for detail contact Admission Cell)

Determination of Merit

The first year (Intermediate) result will be considered for the determination of Merit. The merit will be computed according to following rules given below.

- 1) Matriculation marks (15% weightage)
- 2) Intermediate marks (50% weightage)
- 3) Entry Test marks (35% weightage)

Note : Provisional admissions based on F.Sc. or equivalent (First year marks will be offered. The admission will be secured after fulfilling the eligibility criteria & depositing the dues and submitting the result of second year. In case of two or more applicant have equal percentage of marks (upto three places of decimal) in the comparative merit, the order of merit among them shall be determined in following preferences:

- a) Matriculation marks
- b) Intermediate marks
- c) Entry Test Marks
- d) Age (candidate older in age being treated as higher in merit)

Entry Test

- 1- NFC-IET will also conduct three Entry Tests for admission session 2026
- 2- For all programs. ECAT and NAT (conducted by NTS) for non-engineering programs.
- 3- B-Architecture Program department aptitude test conducted in NFC-IET.
- 4- If a student attempted more than one Entry Test, highest %age will be counted in merit determination.

ADMISSION POLICY

RELEVANT DISCIPLINES OF DAEs

FOR ADMISSION IN BACHELOR OF ENGINEERING PROGRAMS

Sr. #	Engineering Programs	Relevant Disciplines	
1.	Civil Engineering	i. Civil ii. Land & Mine Surveying	iii. Architecture
2.	Mechanical Engineering	i. Mechanical ii. Mechanical (Power) iii. Mechanical (Production) iv. Precision Mechanical & Instrument	v. Auto & Diesel Technology vi. Dies & Mould vii. Refrigeration and Air Conditioning viii. Automation
3.	Electrical Engineering ● Electronics ● Power	i. Electrical ii. Telecommunication iii. Electronics iv. Avionics	v. Instrumentation vi. Information Technology vii. Precision Mechanical & Instrument
4.	Chemical Engineering	i. Chemical ii. Chemical Processing Technology iii. Chemical (Sugar Technology)	iv. Petrochemical v. Petroleum
5.	Petroleum & Gas Engineering	i. Chemical ii. Petrochemical iii. Petroleum	
6.	Computer Engineering	i. Computer Information Technology ii. Information Technology	iii. Electrical, Electronics iv. Telecommunication, Automation

Choice of Disciplines

Candidate will have to mention his/her preference for different programs. In case candidate is interested in only one or two of the programs then he/ she should indicate on the application form accordingly Preference once given will not be ordinarily changed except in inevitable cases provided merit is not disturbed. A re-processing fee of **PKR. 500** will have to be paid in each case. Please put a cross (X) against discipline in which you are not interested.

Category "A" through "J"

It is based on comparative merit against domicile of candidate. The candidates applying on these categories must submit an attested copy of their domicile certificate along with the application form; otherwise their application form will be rejected. For Category-H (Balochistan) candidates who are under 21 years of age must submit an attested copy of domicile certificate of their father showing the candidates name and age along with the application form, failing which their application form will be rejected. Those applying against B categories must also apply against category 'A'.

Category "K" (Foreigners/Overseas Pakistanis)

It is based on comparative merit irrespective of Nationality or domicile. Foreign Nationals can also apply against this category and are required to provide proof of equivalence of their qualifications and also clearance from Economic affairs Division, Govt. of Pakistan. Candidate with Pakistani nationality applying on overseas category (K) shall have to provide copy of Passport with valid working visa of his/her parents/Guardian or real brother/sister and submit it along with the application form failing which he/she not be considered for admission on category "K" overseas.

Category "N" (Professional Engineers)

It is also based on comparative merit within the category. Valid registration of Pakistan Engineering Council is required from Father/Mother in order of priority of candidate applying against category "N".

Category "O"

These seats are reserved for real sons/daughters, brothers/sisters, real nephew/nieces (son and Daughter of real brother and sister) and nephew/nieces (son and daughter of first cousins) in order of priority of NFC IET regular/Deputation/ Contract basis. working/ex-Employees in order of priority. Minimum Service for in service employee/Ex-employee is 5 years of service at NFC IET Multan. Candidates must fill in a Performa (available at Admission Cell of NFC IET) and submit it along with the application form. Also such application should be duly signed by the IET Employee and verified by Registrar.

Category "P"

Reserved for nominee of children of employee of armed forces. GHQ shall nominate the candidates for admission after verification of their credentials which shall be sent to admission committee for final approval two weeks before commencement of class work.

Note:

- a. All nominations on category of "P" should be received two weeks before start of class work, otherwise IET reserves the right to fill these seats amongst the remaining candidates of Categories.
- b. Candidates applying against category M. N. O & P seats must also apply against respective provincial open seats.
- c. For category O, the fee for the son or daughter of employee will be normal fee and for all other nominees will be self-supporting fee.

Category "Q" (B.Tech (Hons) & BS Technology)

For admission against seats reserved for B.Tech (Hons) & B.S. Technologies the applicant should have passed the D.A.E. examination from a Board of Technical Education in the relevant technology with **60%** Marks or F.Sc. Pre Engineering with **60%** Marks. The seats reserved in this category are on all Pakistan basis in engineering programs. Candidates admitted in this category are eligible for admission to the 3 Semester of B.Sc. Engineering in relevant discipline.

Category "R" (Person with Disabilities)

These seats are reserved for students with disabilities who provide a valid disability certificate issued by the -District Social Welfare Board, Government Hospital, or an equivalent authority. Applicants must meet the minimum academic eligibility criteria for the program. If more applications are received than available seats, admissions will be granted on merit among eligible candidates. All documents will be verified, where applicable.

Category "S" (Self-Support)

Some seats are offered on self-support basis. The eligibility for Self-finance seats is payment of under-noted schedule in addition to meeting other eligibility conditions. This amount is not refunded in case of candidate is offered admission against the category.

Note:

1. Candidate in this category will pay self finance fee plus Normal Fee of the programs and Govt. Taxes as per FBR policies.

Category 'T' Chamber of Commerce / Industry Category

These admission category seats are reserved for the children or self of industrialists, business owners, CEOs, or equivalent professionals, including owners of registered companies and software houses. Applicants under this category must provide valid documentary proof of business ownership or affiliation with a recognized Chamber of Commerce or relevant industry body.

- a. These seats are reserved for Chamber of Commerce nominee or industry category candidates.
- b. industrialists must provide evidence of ownership of an established industry or registration with Chamber of Commerce (any one), or a nomination letter from the Chairman Multan Chamber of Commerce and Industry.
- c. Industrialists must have a valid NTN number and must be active taxpayers.
- d. Candidates for Engineering and CS/AI/SE/DS degrees shall pay self-finance category a fees, while regular fees apply for all other disciplines.
- e. Preference of degree for admission shall be given by the candidate.
- f. Selection of candidates shall be purely on merit as per the eligibility criteria.

Category 'U' Sports Category

These admission category seats are reserved for talented students who have demonstrated outstanding performance and achievements in sports at the Tehsil, district, provincial, national, or international level. Applicants seeking admission under this category must provide valid sports certificates and relevant supporting documents as evidence of their sports background and accomplishments.

Application Procedure

The Candidate can apply online portal. Decision regarding un-utilized seats in each category shall be made by the admission committee.

Variation in Seats

The Admission Committee may exercise their right at any time to increase or decrease the number of seats allocated to any category or create/abolish any category and there shall be no appeal against such a decision. Rules applicable to admission will also be applicable to such variation.

Provisions about admission on the basis of B.Sc.degree

Given the qualifications and restrictions stated below, a person who is not over age, is eligible for admission to the Bachelor's course at IET on the basis of degree of Bachelor of Science. A person possessing a B.Sc. degree is NOT eligible for admission to the Bachelor degree engineering course at the IET unless he has also passed F.Sc. (pre-engineering) securing at least **60%** marks.

Scope of Eligibility for B.Sc.'s with F.Sc. (Pre-Engineering)

For admission to the B.Sc. course in engineering an applicant may have passed B.Sc. examination with any combination.

Employee Candidates

Employed candidates shall have to take full leave from their organization and provide NOC for confirmation of admission.

Medical Fitness

All candidates will furnish a certificate from a registered medical practitioner, declaring that they do not have any serious disease which may be harmful to them or others during the course of their studies at IET.

Highest percentage of marks counted

If an applicant has passed more than one of the above examinations/Entry Test, his position on the merit list is determined on the basis of the examination in which he has the highest Percentage of the marks.

Merits of 12th Grade of American School

To determine the merit of applicant who has passed the 12th grade of the American (with mathematics, physics, and chemistry) the aggregate marks obtained by him are reduced to **85/100** (as per IBCC equivalent)

Merits of B.Tech (Hons) Through Semester System

Candidates having passed their B.Tech (Hons) degree through semester system must get their CGPA's converted to %age marks from their respective institutes.

Credit for Hafiz-e-Quran

A Hafiz-e-Quran will be credited **20 marks** for determining the overall merits. A certificate from recognized institution and passing oral test arranged by NFC IET Multan is required.

ADMISSION 2026-2027

SEATS BREAKUP OF B.Sc. ENGINEERING PROGRAMS

(Recognized by Pakistan Engineering Council)

Category	CAT	Chemical	Electrical	Civil	Mechanical	Petroleum & Gas	Computer Engg.
Punjab	A	16	8	8	8	8	8
Multan, Bahawalpur & DG Khan	B	8	8	4	4	4	4
Sindh	E	6	6	3	3	3	3
Khyber Pakhtunkhwa	G	4	4	2	2	2	2
Baluchistan	H	4	4	2	2	2	2
FATA	I	4	4	2	2	2	2
AJK/PATA	J	2	2	1	1	1	1
Overseas Pakistanis	K	5	5	1	1	1	1
Female (All Pakistan Basis)	M	2	2	1	1	1	1
Professional Engineers (Son/Daughter)	N	2	2	1	1	1	1
IET Employees	O	4	4	4	4	4	4
Armed Forces	P	2	2	1	1	1	1
B. Tech (Hon) BS Technologies	Q	1	1	1	1	1	1
Special Person/Disability	R	2	2	1	1	1	1
Self Supporting	S	16	16	6	6	6	6
Industry/Chamber of Commerce	T	1	1	1	1	1	1
Sports	U	1	1	1	1	1	1
		80	80	40	40	40	40

ADMISSION 2026-2027

SEATS BREAKUP OF B.S. SCIENCE PROGRAMS

Category	CAT	B.Arch	BS Fashion Design	BBA	BS ACC & Fin	Computer Science	BS Software Engg	BS Artificial Intelligence	BS Data Science
Punjab	A	9	8	14	14	40	18	18	9
Multan, Bahawalpur & DG Khan	B	5	6	10	5	20	12	12	5
Sindh	E	2	2	4	2	12	4	4	2
Khyber Pakhtunkhwa	G	1	1	2	1	10	2	2	1
Baluchistan	H	2	2	4	2	20	4	4	2
FATA	I	2	2	2	2	8	4	4	2
AJK/PATA	J	2	1	2	2	8	2	2	2
Overseas Pakistanis	K	1	1	5	1	12	4	4	1
DAE	L	5	-	-	-	-	-	-	-
Female (All Pakistan Basis)	M	2	1	4	2	15	3	3	2
IET Employees	O	5	5	5	5	15	5	5	5
Armed Forces	P	1	1	1	1	5	2	2	1
Special Person/Disability	R	1	1	1	1	3	2	2	1
Self Supporting	S	10	7	24	10	78	36	36	15
Industry/Chamber of Commerce	T	1	1	1	1	3	1	1	1
Sports	U	1	1	1	1	1	1	1	1
		50	40	80	50	250	100	100	50

ADMISSION 2026-2027

SEATS BREAKUP OF B.S. NON-ENGINEERING PROGRAMS

Category	CAT	BS Bio Med Eng Technology	BS Food Science Technology
Punjab	A	12	12
Multan, Bahawalpur & DG Khan Division	B	8	8
Sindh	E	4	3
Khyber Pakhtunkhwa	G	3	2
Baluchistan	H	2	2
FATA	I	2	1
AJK/PATA	J	1	1
Overseas Pakistanis	K	1	1
Female (All Pakistan Basis)	M	1	1
IET Employees	O	4	3
Special Person/Disability	R	1	1
Self Supporting	S	4	3
Industry/Chamber of Commerce	T	1	1
Sports	U	1	1
TOTAL		45	40

RULES & REGULATIONS FOR UNDERGRADUATE PROGRAMS

Requirements for Degree

1. The minimum duration of the B.Sc. Engineering degree shall not be less than four academic years.
2. No candidate shall be admitted to an Examination after the expiry of 07 academic years from the date of his admission in the institute.
3. The medium of instructions and examinations shall be English for all subjects except Islamic Studies and Pakistan Studies for which the medium of instructions and examinations shall be either Urdu or English.
4. The courses of studies, the number of credit hours allotted to each course and the detailed syllabus shall be according to the proposals made by the Board of Studies concerned and approved by the Syndicate on the recommendations of the Board of Faculties and Academic Council.

Part-I (Theory Paper):

Sessional Marks in Theory Papers may consists of attendance, Quiz, Sessional Tests or any other assignment as determined by the teacher concerned and shall carry 20% of the total marks allotted to Part-1 of the subject. In each semester there will be a mid term of 30% marks which will be conducted by the teacher concerned under the semester system rules. The remaining 50% of the marks shall be allocated for the end-term written examination.

Part-II (Practical & Viva-Voce):

Sessional work may consist of attendance, laboratory, design, quiz, studio work and any other assignment as determined by the teacher concerned and shall carry 50% of the total marks allocated to Part-II of a subject and the remaining 50% of the marks shall be for end term practical and Viva-Voce examinations. Final Result of Each Semester Final result (GPA, SGPA & CGPA) will be calculated for each Semester as per Semester System rules. Attendance Requirements The attendance requirement for appearing in Semester examination will be minimum 75% of the total lectures delivered. It is compulsory for the students to register in the start of semester.

Application for Examination

- a. A candidate who wishes to appear in an examination shall submit an application in the prescribed form to the Controller of Examinations through the Head of Department. A Candidate shall be admitted to the Degree if:
 - a. He has passed all the papers of the degree program in the relevant discipline, and,
 - b. He has attended and satisfactorily completed at least 06 to 08 weeks Industrial Training where applicable.
 - c. A CGPA of 2.20 on scale of 4.00 at the completion of all course work as prescribed by the department.

Examinations and Grading System

Theory Papers:

- | | |
|------------------|-----------------|
| a) Sessional | 20 Marks |
| b) Mid Term | 30 Marks |
| c) End-term Exam | 50 Marks |

Practical & Viva-Voce:

- | | |
|------------------|-----------------|
| a) Sessional | 50 Marks |
| b) End-Term Exam | 50 Marks |

Note:

Minimum Pass Marks for promotion to next semester are 50% (C-Grade), both in theory and practical. In rating of the students, three passing grades shall be used A,B,C and one failing grade F. In Terms of their numerical equivalence, the letter grades denote the following:
A+,A,B+,B,B-,C+ and C and one failing grade F.

% Marks	GPA	Grade
50	2.00	C
51	2.00	C
52	2.05	C
53	2.10	C
54	2.15	C
55	2.20	C
56	2.25	C
57	2.30	C+
58	2.35	C+
59	2.40	C+
60	2.50	C+
61	2.60	C+
62	2.70	B-
63	2.80	B-
64	2.90	B-
65	3.00	B
66	3.05	B
67	3.10	B
68	3.15	B
69	3.20	B
70	3.25	B
71	3.30	B+
72	3.35	B+
73	3.40	B+
74	3.45	B+
75	3.50	B+
76	3.55	B+
77	3.60	B+
78	3.65	B+
79	3.70	A-
80	3.75	A-
81	3.80	A-
82	3.85	A
83	3.90	A
84	3.95	A
85	4.00	A+
86	4.00	A+
87	4.00	A+
88	4.00	A+
89	4.00	A+
90	4.00	A+

91	4.00	A+
92	4.00	A+
93	4.00	A+
94	4.00	A+
95	4.00	A+
96	4.00	A+
97	4.00	A+
98	4.00	A+
99	4.00	A+
100	4.00	A+

Good Standing

i) In order to remain on the rolls of the Department, a student has to continuously maintain "Good Standing" namely a satisfactory standard of attendance and academic performance, as well as of conduct and discipline.

ii) To remain in "Good Standing" at the end of first semester a student besides meeting attendance and conduct requirements, must also maintain a minimum CGPA of 2.00 on a cumulative basis.

iii) Students who fail to maintain the required CGPA of 1.5 within the first two semesters and at risk of being dropped/detained shall be provided with an opportunity through the summer semester (with up to two courses) to improve their academic standing. If a student fails to attain CGPA of 1.5 after availing summer semester, he will be dropped.

iv) (a) At the end of each Semester, other than 1st semester, a student must obtain a minimum cumulative grade point average (CGPA) of 2.00 and must also pass at least 50% of the courses taken by him in the semester in order to be promoted to next Semester. (b) However, if a student fails to comply with any of the conditions in third & subsequent semesters in four years program, he will be detained in that semester & he will repeat the semester. He will be promoted to the next semester on attaining a CGPA of 2.00. The students will have to complete their courses within the stipulated time (07 academic years) for completion of degree.

v) A student shall be deemed to have lost his/her "Good Standing" if his conduct and behavior is found objectionable from the disciplinary point of view. In case a student is unable to appear in one or more courses in the End-Term Examination of Semester on medical ground, he may be allowed to appear in the special final Examination Improvement Process.

1. Under the continuous quality improvement process, HEC introduced a Grade Improvement Policy for undergraduate students of all BS degree programs. Students may be allowed to repeat a course in which they have obtained a grade ≤ 2.5 GPA or Grade C+. In such cases, both the previous and the new grades will be recorded; however, only the better grade shall be considered for the calculation of CGPA and will be recorded on the transcript. The Head of Department may define a maximum of six courses that a student may be permitted to repeat during the span of an eight/ten-semester degree program. In case of CGPA improvement, the revised grade shall be recorded with the notation (1) on the transcript. Students will be allowed to opt for improvement in subjects during summer or regular semesters while enrolled in the degree program or within one year of its completion. No special semester or subject will be offered. The student with improved grades will not be allowed to claim any position or institutional scholarship. This initiative is designed to support students in improving their academic standing while maintaining fairness and academic standards.

PLOs for all Engineering Programs

PLO-1: Engineering Knowledge:

Applying knowledge of mathematics, science, engineering fundamentals, and their specialization to solve complex problems.

PLO-2: Problem Analysis:

Identifying, formulating, and analyzing complex engineering problems using established principles.

PLO-3: Design/Development of Solutions:

Creating solutions for complex engineering problems, considering safety, cultural, societal, and environmental aspects.

PLO-4: Investigation:

Conducting research, designing and performing experiments, and analyzing data to draw valid conclusions.

PLO-5: Tool Usage:

Create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling, to complex engineering problems, with an understanding of the limitations.

PLO-6: The Engineer and the World:

Understanding the sustainability and impact of engineering work in societal and environmental contexts.

PLO-7: Professional Ethics:

Understanding and upholding ethical principles and responsibilities within the engineering profession.

PLO-8: Teamwork:

Functioning effectively as a member or leader in diverse teams.

PLO-9: Communication:

Communicating effectively on engineering topics with both technical and non-technical audiences.

PLO-10: Management:

Demonstrating knowledge of management principles and applying them to project management in multidisciplinary environments.

PLO-11: Lifelong Learning:

Recognizing the need for and engaging in continuous learning and professional

BS Bio-Medical Engineering Technology Program Learning Outcomes (PLOs)

Engineering Technology Knowledge (SA1):

An ability to apply knowledge of mathematics, natural science, Engineering Technology fundamentals and Engineering Technology specialization to defined and applied Engineering Technology procedures, processes, systems or methodologies.

Problem Analysis (SA2):

An ability to Identify, formulate, research literature and analyze broadly-defined Engineering Technology problems reaching substantiated conclusions using analytical tools appropriate to the discipline or area of specialization.

Design/Development of Solutions (SA3):

An ability to design solutions for broadly- defined Engineering Technology problems and contribute to the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

Investigation (SA4):

An ability to conduct investigations of broadly-defined problems; locate, search and select relevant data from codes, data bases and literature, design and conduct experiments to provide valid conclusions.

Modern Tool Usage (SA5):

An ability to Select and apply appropriate techniques, resources, and modern technology and IT tools, including prediction and modeling, to broadly-defined Engineering Technology problems, with an understanding of the limitations.

The Engineering Technologist and Society (SA6):

An ability to demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to Engineering Technology practice and solutions to broadly defined Engineering Technology problems.

Environment and Sustainability (SA7):

An ability to understand and evaluate the sustainability and impact of Engineering Technology work in the solution of broadly defined Engineering Technology problems in societal and environmental contexts.

Ethics (SA8):

Understand and commit to professional ethics and responsibilities and norms of Engineering Technology practice

Individual and Team Work (SA9):

An ability to Function effectively as an individual, and as a member or leader in diverse teams.

Communication (SA10):

An ability to communicate effectively on broadly defined Engineering Technology activities with the Engineering Technologist community and with society at large, by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Project Management (SA11):

An ability to demonstrate knowledge and understanding of Engineering Technology management principles and apply these to one's own work, as a member or leader in a team and to manage projects in multidisciplinary environments.

Lifelong Learning (SA12):

An ability to recognize the need for, and have the ability to engage in independent and life-long learning in specialist Engineering Technologies.



SUSTAINABLE DEVELOPMENT GOALS



PROSPECTUS TEAM ACKNOWLEDGMENTS & CREDIT



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Special Thanks

We extend our sincere gratitude to all faculty members, students, and contributors whose support and cooperation made this prospectus possible.

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Ministry of Federal Education & Professional Training, Pakistan



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