




STUDENT HANDBOOK_{MS/PhD}

National University of Sciences & Technology

nust.edu.pk | UAN: 111-116-878 |  NUST

We

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The National University of Sciences and Technology (NUST) stands as a vibrant beacon of higher education in Pakistan. Despite its youth of just 30 years, this esteemed institution rightfully boasts of its exceptional reputation as a center of excellence.

NUST offers undergraduate & postgraduate programmes in a wide range of fields including Engineering, IT, Biosciences, Business Management, Economics, Environment, Applied Sciences, Architecture, and Social Sciences. In the years ahead, we are hopeful to pursue with renewed vigour and zeal our vision of expanding not only our academic programmes but also the student intake across various NUST schools without diluting our traditional standards of excellence.

Since technological supremacy is the key to shaping the destiny of a nation, NUST fuels the spirit of inquiry, enterprise, and dynamism in all facets of research and professional education. The dividends of

our focused and sustained efforts are distinctly visible in the vibrant involvement of our students and faculty in a wide range of research projects, publications, patent filing, and joint research ventures. Tech ONE and National Science and Technology Park (NSTP) are some of the potent NUST initiatives to expand the base of research and development towards building the national economy.

NUST is a place worth any aspiring student's time, labour, and money to claim a place in the comity of those educated in the spirit of challenging times today and tomorrow. It is a great transforming experience to live, imbibe and treasure.

Disclaimer

This handbook is being issued for general information and guidance of the students. The University reserves the right to withdraw or make amendments to Academic Regulations and other rules/policies/instructions as and when deemed necessary.

Important

*Students are required to read all the instructions given in this handbook and deposit the Undertaking given at the end of this handbook (**Annex F**), duly completed, as guided by the respective institution.*

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The University

1. **NUST at a Glance.** Welcome to the National University of Sciences and Technology (NUST), a premier national institution committed to imparting high-quality undergraduate and postgraduate education in various engineering disciplines, management, social sciences, applied bio-sciences, architecture, information technology, and basic sciences. You represent a distinguished group of students selected strictly on merit to join this comprehensive University comprising 21 constituent colleges/schools/centres. Currently, NUST offers degree education in as many as 39 UG, 73 MS, and 47 Ph.D. programmes in various NUST institutions.

2. **Constituent Institutions.** Listed below are the constituent NUST institutions:

- a. Military College of Engineering (MCE), Risalpur
- b. Military College of Signals (MCS), Rawalpindi
- c. College of Electrical and Mechanical Engineering (C of E&ME), Rawalpindi
- d. Pakistan Navy Engineering College (PNEC), Karachi
- e. College of Aeronautical Engineering (CAE), Risalpur
- f. School of Electrical Engineering & Computer Science (SEECS), Islamabad
- g. NUST Business School (NBS), Islamabad
- h. School of Social Sciences & Humanities (S³H), Islamabad
- i. School of Chemical & Materials Engineering (SCME), Islamabad
- j. School of Civil & Environmental Engineering (SCEE), Islamabad
- k. School of Mechanical & Manufacturing Engineering (SMME), Islamabad
- l. School of Natural Sciences (SNS), Islamabad
- m. Atta Ur Rahman School of Applied Biosciences (ASAB), Islamabad
- n. School of Art, Design & Architecture (SADA), Islamabad
- o. NUST Institute of Peace & Conflict Studies (NIPCONS), Rawalpindi
- p. US Pak Centre for Advanced Studies in Energy (USPCAS-E), Islamabad
- q. NUST Balochistan Campus (NBC), Quetta
- r. National Institute of Transportation (NIT), Risalpur
- s. School of Interdisciplinary Engineering & Sciences (SINES), Islamabad
- t. NUST School of Health Sciences (NSHS), Islamabad
- u. NUST Law School (NLS), Islamabad

3. **Vision.** NUST aspires to be a comprehensive university providing a higher education experience grounded in thought leadership, co-creation of knowledge, and sustainability.

4. **Mission.** We are committed to being a university that stimulates intellectual curiosity, behavioral progression, and environmental stewardship. We nurture future leaders, job creators, and lifelong learners, with the ability to foster partnerships, and intercultural competence to impact their communities and beyond. Through adherence to our core values, we create an ecosystem that promotes research, innovation, and productivity:

5. **Values:**

- a. **Integrity.** NUST provides a fair and transparent work environment and encourages its stakeholders to act ethically and honestly in the interest of the wider community.
- b. **Pursuit of Excellence.** Excellence is a recursive attribute inculcated in the NUST culture. We strive to achieve excellence in academics, research, and innovation to build a national and global knowledge economy.
- c. **Inspiring Partnerships.** NUST promotes sharing of inspirational and research-driven content that drives change. Our leadership, faculty and students co-create knowledge that is of relevance and value for our communities.
- d. **Diversity, Equity, and Inclusion.** NUST community embraces and respects human and social diversity and encourages their absorption by developing an inclusive work environment to provide equal opportunities for all.
- e. **Sustainability.** NUST nurtures its community with responsible resource planning and management. Our academic, research, and social endeavors actively tackle social, economic, and environmental challenges.

6. **Strategic Thrusts**

- a. **Excellence in Teaching and Education.** Provide high-quality education in science and technology within the reach of all segments of society.
- b. **Focus on Research.** Undertake high-quality relevant research to support the needs of emerging knowledge-based economies and society.
- c. **Spirit of Enterprise.** Develop instruments and mechanisms to cultivate in NUST graduates the spirit of enterprise and entrepreneurial culture and build strong linkages with industry.

- d. **Internationalization and Global Vision.** Establish strong international linkages to ensure an inflow of new knowledge and state-of-the-art technologies, and build, as a corollary, a positive international image of our University and the country.
- e. **Positive Social Impact.** Formulate curricula and programmes to suit a wider cross-section of the population in terms of education and absorption of new technologies.

7. Why Study at NUST?

NUST symbolizes quality and excellence. Its spirited faculty, industrious students, and excellent support infrastructure provide an academic environment, found only in the very best of the world universities, which is evident from the following:

- a. **NUST is a member of:**
 - (1) International Association of Universities (IAU)
 - (2) The Talloires Network
 - (3) International Network for Quality Assurance Agencies in Higher Education (INQAAHE)
 - (4) United Nations Academic Impact (UNAI)
 - (5) Association of Management Development Institution in South Asia (AMDISA)
 - (6) Asia-Pacific Quality Network (APQN)
 - (7) Association of Quality Assurance Agencies of the Islamic World (QAIslamic)
 - (8) World Design Organization (WDO)
- b. **NUST Rankings.** NUST actively participates in international university rankings conducted by various esteemed organizations such as Quacquarelli Symonds (QS), Times Higher Education (THE), etc., securing a prominent position both globally and nationally. Over a brief period, the university has garnered global recognition and consistently elevated its rankings, a testament to the dedication of our faculty and staff in enhancing NUST's prestige year after year.
 - (1) **QS World Universities Ranking.** In the latest QS World University Rankings 2024, NUST holds the 353rd position globally and ranks 2nd among Pakistani Universities.
 - (2) **QS Asian Ranking.** NUST secures the 64th position in QS Asian.

- (3) **QS Subjects Rankings.** NUST emerges as a Comprehensive Multidisciplinary University in the QS World University Rankings released in March 2023, achieving distinction in Broad Subject Areas and Subject Wise Rankings.

- (a) **Broad Subject Areas.** NUST excels in various multidisciplinary areas ranked by QS, including Engineering & Technology,

Natural Sciences, Social Sciences & Management, Life Sciences and Medicine, and Arts and Humanities:

- i. **Engineering & Technology.** NUST maintains its 1st position in Engineering & Technology in Pakistan and has improved its global rank to 144.
- ii. **Natural Sciences.** NUST ranks 394 globally and 3rd among Pakistani Universities in Natural Sciences.
- iii. **Social Sciences & Management.** NUST ranks 400 globally and 2nd among Pakistani universities in this broad subject area.

- (b) **Subject Areas.** NUST holds a distinguished position worldwide and in Pakistan across various subjects.

Ser	Subject Area	World Ranking	National Ranking
i.	Computer Science & Information Systems	174	1
ii.	Electrical & Electronics Engineering	151-200	1
iii.	Civil and Structural Engineering	151-200	1
iv.	Mechanical, Aeronautical & Manufacturing Engineering	201-250	1
v.	Chemical Engineering	251-300	1
vi.	Mathematics	201-250	1
vii.	Material Sciences	251-300	1
viii.	Chemistry	301-350	2

ix.	Business & Management	301-350	2
x.	Accounting & Finance	301-350	2
xi.	Environmental Sciences	351-400	2
xii.	Medicine	551-600	2
xiii.	Physics & Astronomy	301-350	3
Ser	Subject Area	World Ranking	National Ranking
xiv.	Economics & Econometrics	401-450	4
xv.	Biological Sciences	551-600	5

8. Important Telephone Numbers

Main Office NUST	
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Constituent Institutions

Military College of Engineering (MCE), Risalpur

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Military College of Signals (MCS), Rawalpindi

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College of Electrical & Mechanical Engineering (C of E&ME), Rawalpindi	
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Pakistan Navy Engineering College (PNEC), Karachi	
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College of Aeronautical Engineering (CAE), Risalpur	
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School of Chemical & Materials Engineering (SCME), Islamabad	
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9. Mailing Address & Social Media Accounts

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-  www.youtube.com/NUSTOfficial
-  <https://www.instagram.com/nustgram/?hl=en>
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